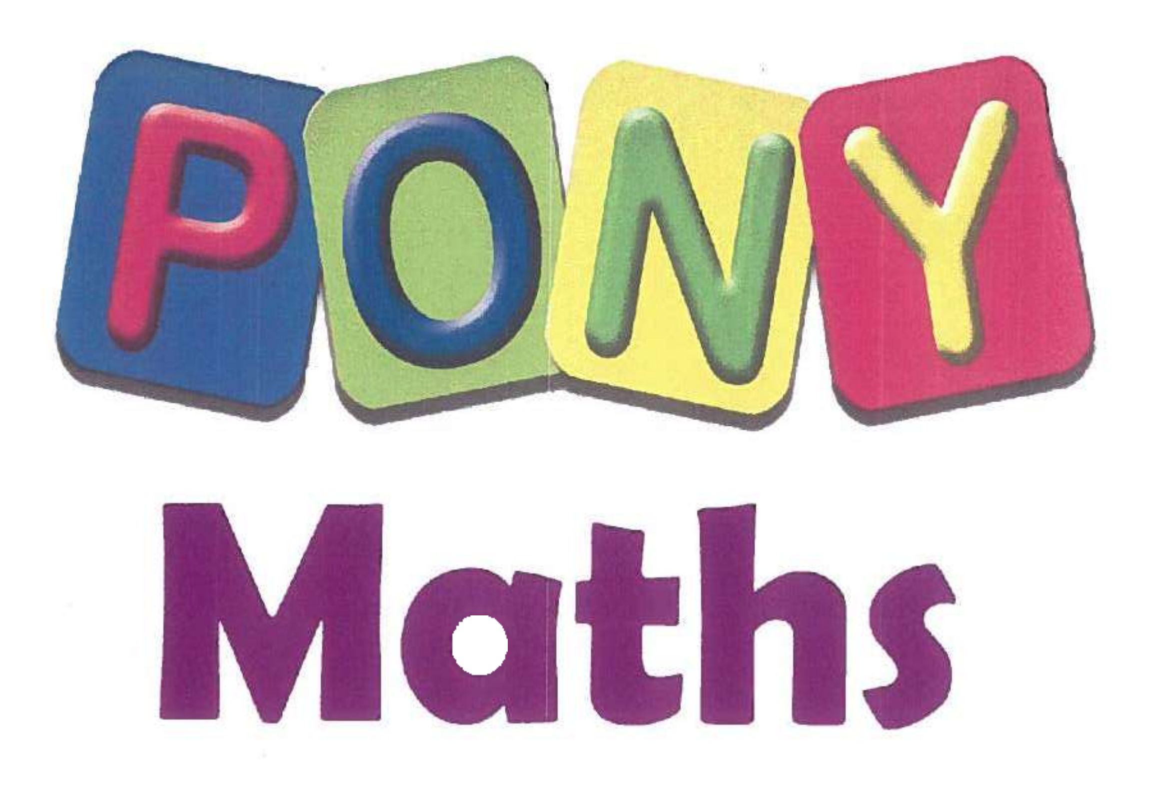
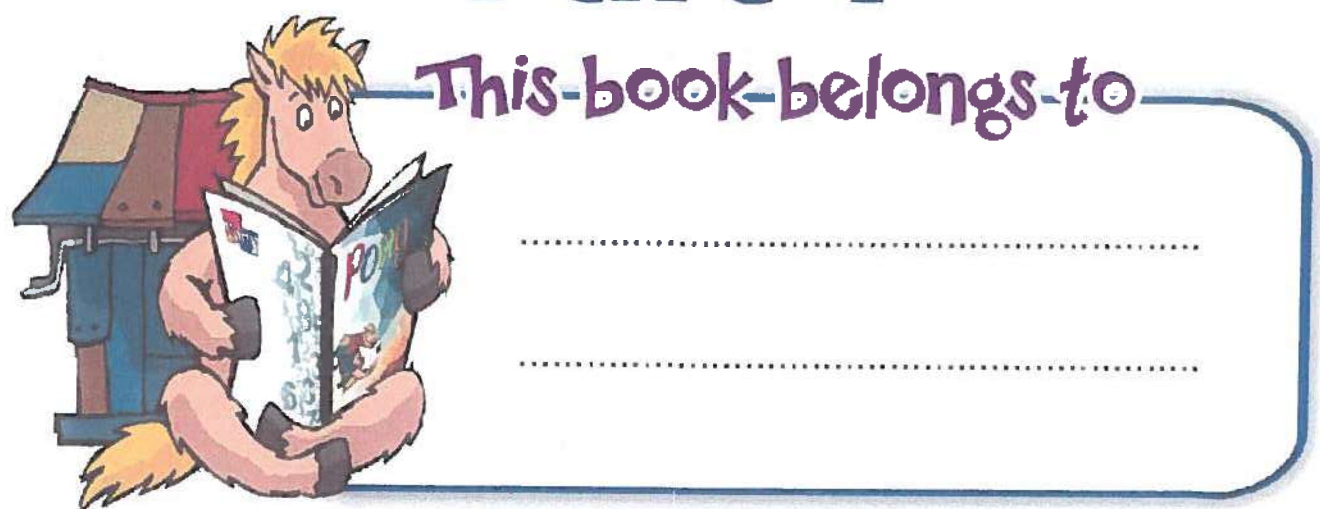


Maths

BOOK 3

Part 1



By : Mohamed Nasreldin



In this book:

We will combine the explanation of some lessons and rearrange them according to the unity of the topic to make it easier for the child to understand them in a better way. And link between the ideas presented in these lessons and facilitate the acquisition of skills.

Therefore, the lessons were combined and divided into 4 chapters:

The first chapter: includes methods for collecting and classifying data.

The second chapter: includes numbers and operations on them.

The third chapter: includes multiplication and its properties.

The forth chapter: includes engineering and measurement

في هذا الكتاب:

سنجمع بين شرح بعض الدروس ونعيد ترتيبها حسب وحدة الموضوع ليسهل على الطفل فهمها بشكل افضل. وربط الافكار المعروضة في هذه الدروس وتسهيل اكتساب المهارات.

لذلك جمعت الدروس وقسمت إلى 4 فصول:

الفصل الاول: ويتضمن طرق جمع البيانات وتصنيفها.

الفصل الثاني: يتضمن الاعداد والعمليات عليها.

الفصل الثالث: يتضمن الضرب وخصائصه.

الفصل الرابع: يتضمن الهندسة والقياس

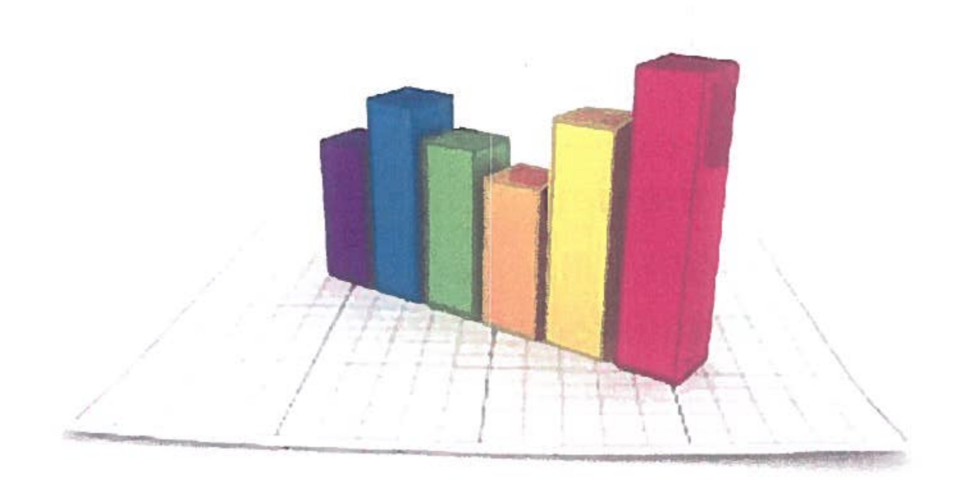




Chapter 4 Geometry and measurement



ONE

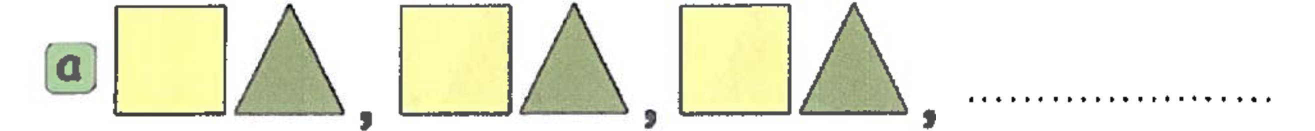


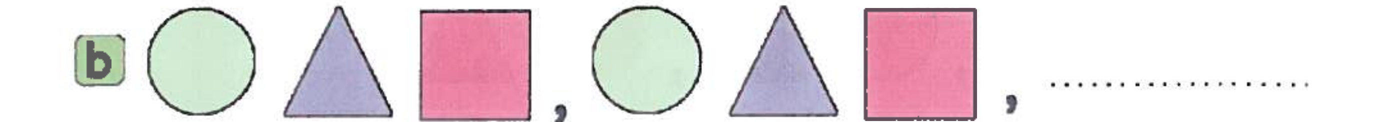
STATISTICS



The Visual Patterns

1 Complete the pattrern :

a  ....

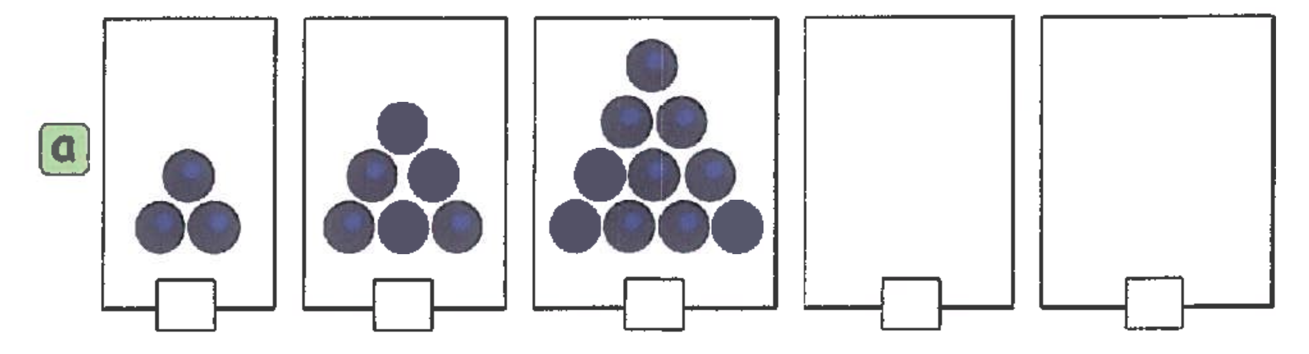
b  ....

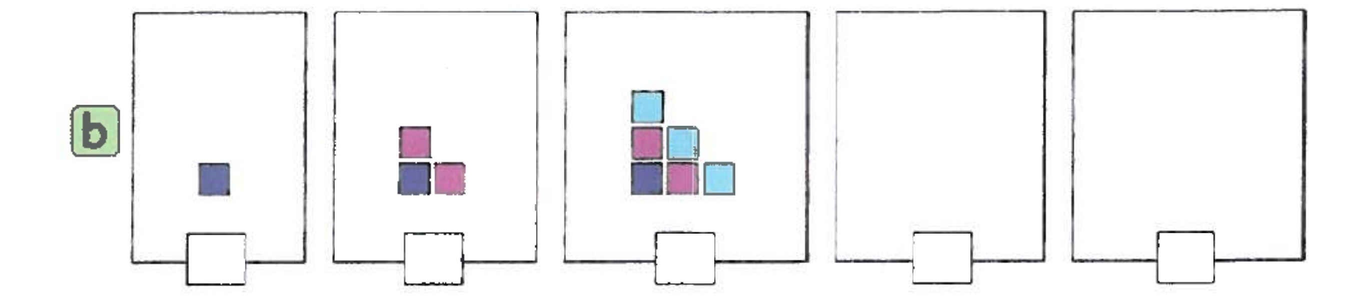
c AB , ABB , ABBB , ABBBB , ...

d 10 , 20 , 30 , 40 , 50 , ... ,..........

---

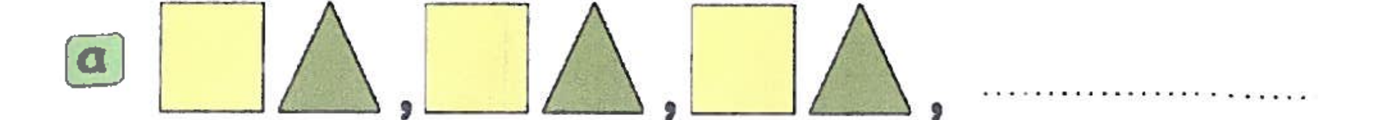
2 Look at the image , then figure out the next two images in the pattern :

a 

b 



1 Complete the pattrern :

a  ……………………

b , , , ……………………

c , , ……………………

d , , , ……………………

e , , , ……………………

f AB , AABB , AAABBB , ……………………

g UUΠΠ, UUΠΠ, UUΠΠ, ……………………

h 50 , 60 , 70 , 80 , ……… , ………

i 60 , 50 , 40 , 30 , ……… , ………

2 **Look at the image , then figure out the next two images in the pattern :**

a

b

c

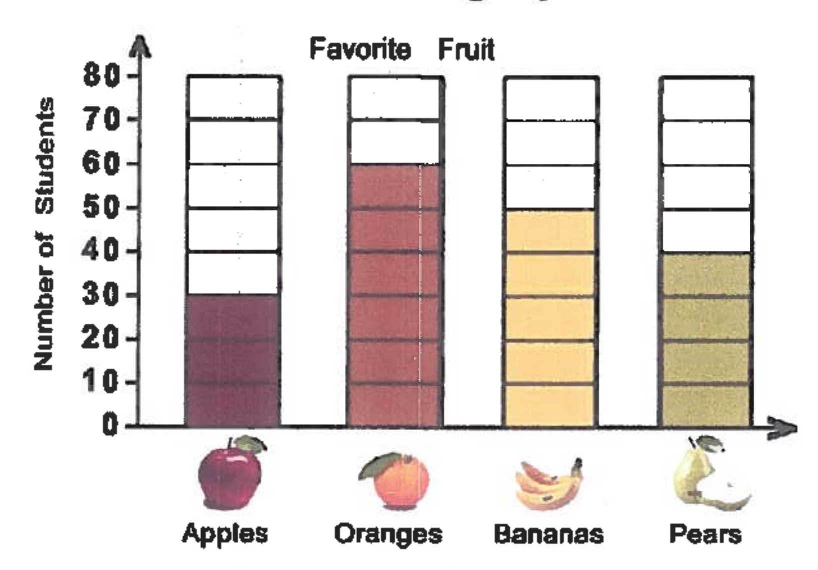
d

e



The bar graph & The pictograph

1 Look at the favorite fruit graph and then answer :



a Complete the following table :

Favorite Fruit	Number of Students
Apples	
Oranges	
Bananas	
Pears	

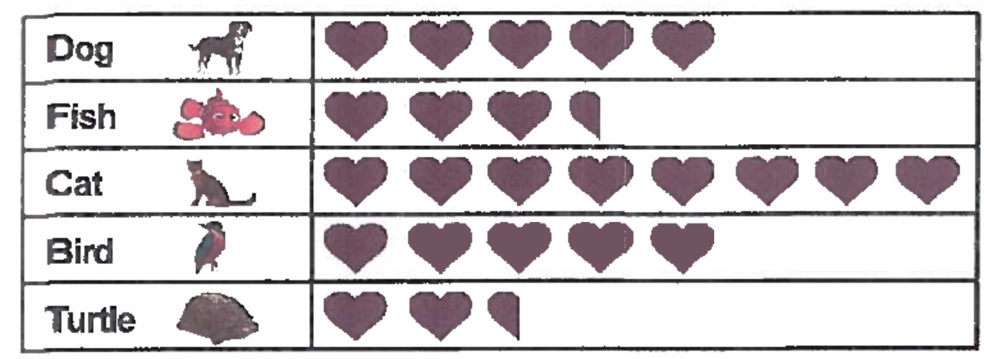
b How many people like oranges ? ....

c How many people like apples and bananas ? ....

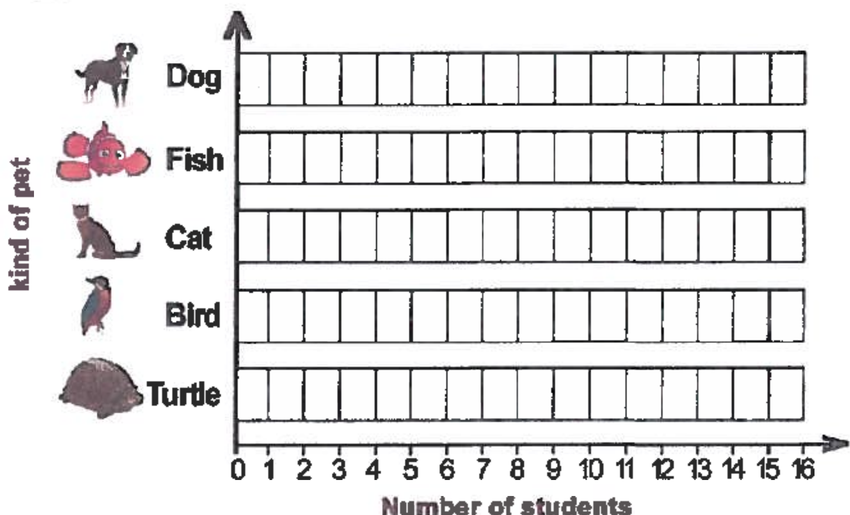
d How many people were asked about their favorite fruit ? ....

e What is the least popular fruit on this graph ? ....

2 Convert the same data from pictograph into a bar graph then complet the table







kind of pet	Number of students
Dog	
Fish	
Cat	
Bird	
Turtle	

Answer the questions:

a) How many students liked Fish ? ....

b) How many students liked Bird ? ....

c) How many more students liked Cat than Bird ? ....

d) How many more students liked Bird than Turtle ? ....

e) How many students all togethr liked Dog , Fish and Cat ?

....

f) How many students all togethr liked Cat , Bird and Turtle ?

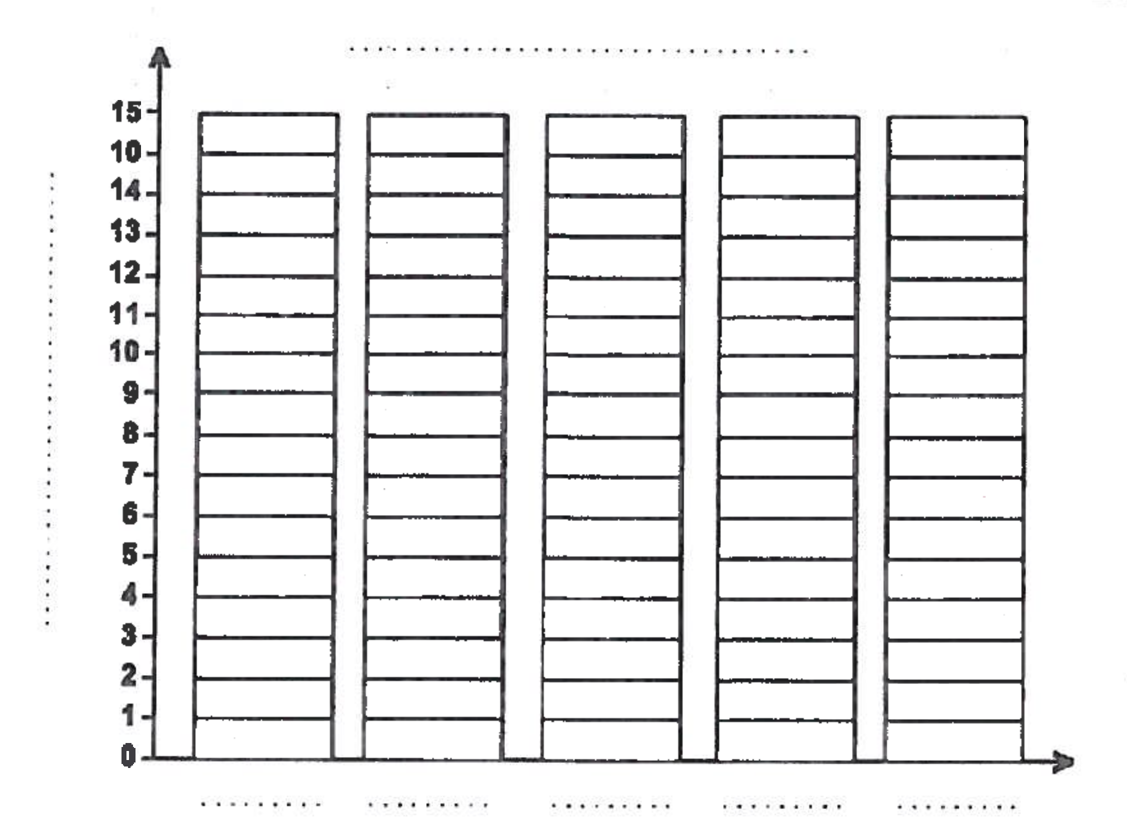
....

g) Which pets is liked the most ? ....

h) Which pets is liked the least ? ....

3 Use the following table to complete the bar graph

Favorite Desserts	Tallies	Number of Children
Basbousa	𝍷𝍷𝍷𝍷	
Kunafa	𝍸 𝍷𝍷𝍷𝍷	
Sweet Potatoes	𝍷𝍷𝍷	
Sweet Feteer	𝍸 𝍸 𝍷𝍷	
Om Ali	𝍸 𝍸	



ⓐ How many children like Kunafa ? ....

ⓑ How many children like Om Ali and Basbousa ?

....

ⓒ Which dessert is liked most ? ....

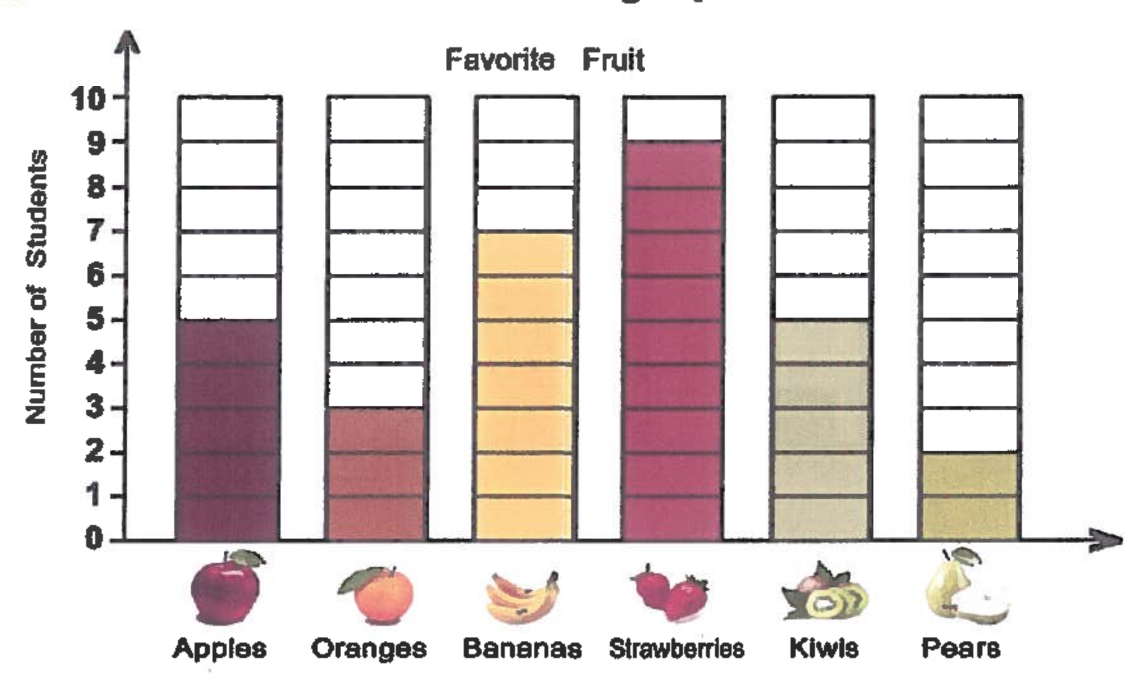
ⓓ Which dessert is liked least ? ....





HOMEWORK

1 Look at the favorite fruit graph and then answer :



a Complete the following table :

Favorite Fruit	Apples	Oranges	Bananas	Strawberries	Kiwis	Pears
Number of Students						

b Answer the questions:

a) How many students liked oranges ? ....

b) How many more students liked strawberries than pears ? ....

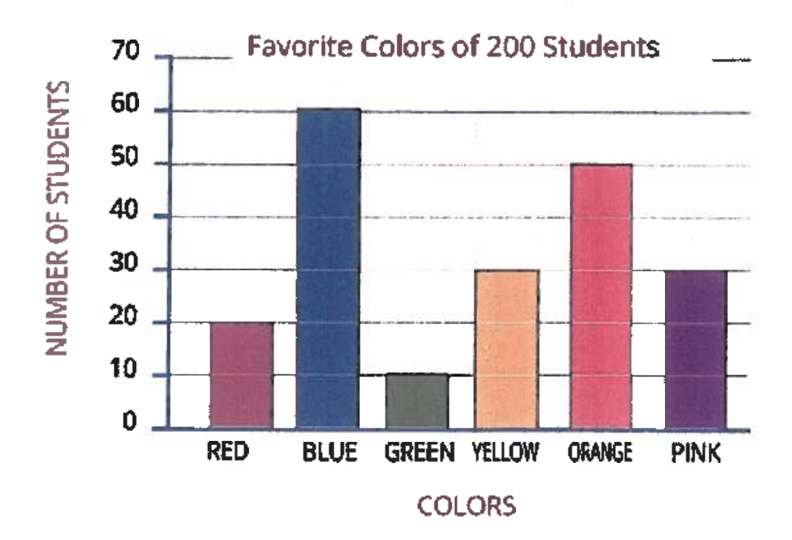
c) How many students all togethr liked kiwis , apples and oranges ?

....

d) Which fruit is liked the most ? ....

e) Which fruit is liked the least ? ....

2 Look at the Favorite Colors graph and then answer questions about the data.



Colors	Number of students
RED	
BLUE	
GREEN	
YELLOW	
ORANGE	
PINK	

Answer the questions:

a. How many people liked red best? ....

b. How many people liked blue best? ....

c. How many people liked green best? ....

d. How many people liked yellow best? ....

e. How many people liked orange best? ....

f. How many people liked pink best? ....

g. How many people liked pink and blue (pink + blue)?

....

h. How many more people liked yellow than green (yellow - green)?

....

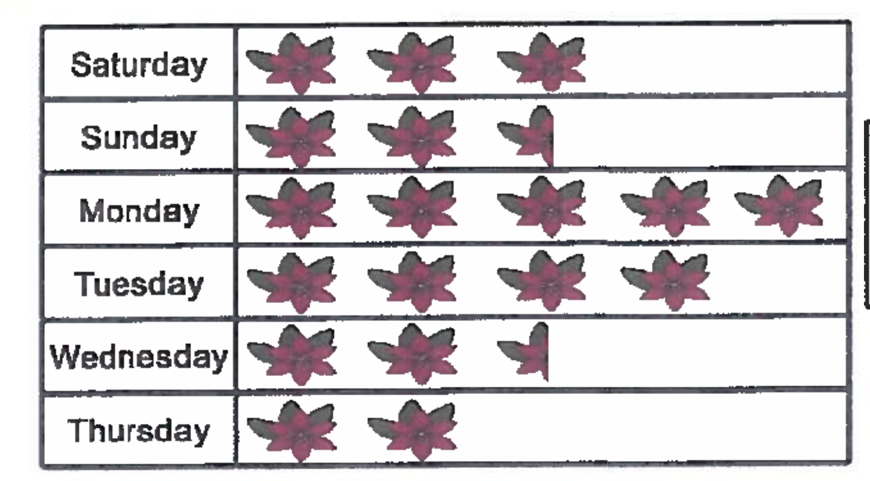
i. How many people liked red and blue (red + blue)?

....

j. How many more people liked blue than orange (blue - orange)?

....

3 Look at the Pick a Flower pictograph and then answe :





Complete the following table :

The day	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday
Number of flowers						

Answer the questions:

a How many flowers were picked on Monday ? ....

b How many flowers were picked on Tuesday ? ....

c How many more flowers were picked on Saturday than Sunday ?

....

d How many more flowers were picked on Monday than Tuesday?

....

e How many flowers were picked on Wednesday and Monday ?

....

f How many flowers were picked on Thursday and Sunday ?

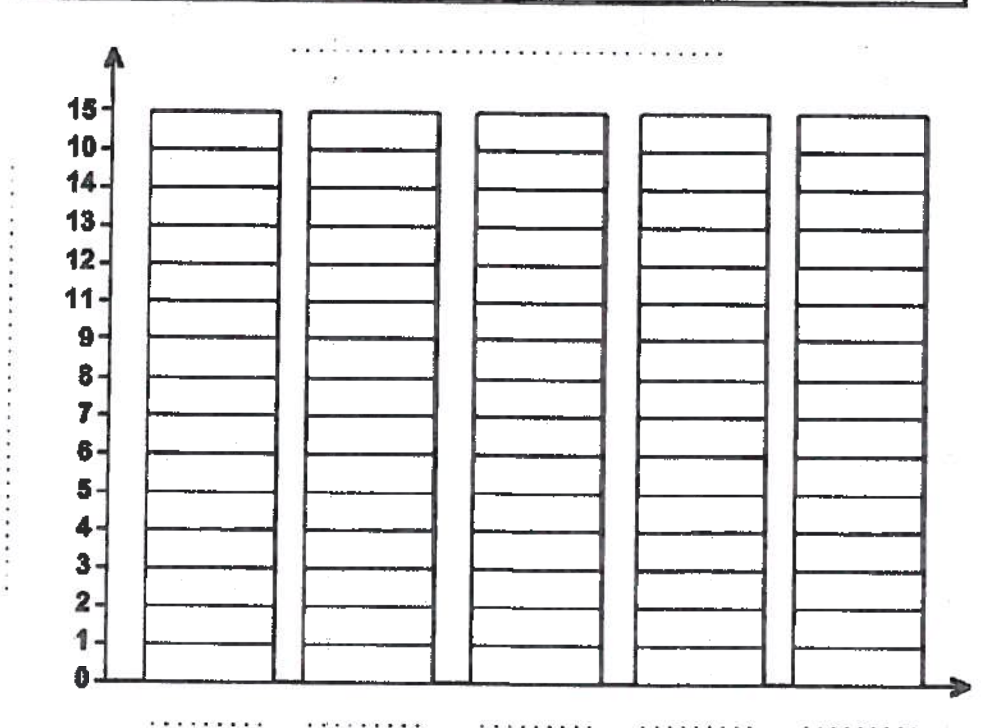
....

g Which day had the most number of flowers picked ? ....

h Which day had the least number of flowers picked ? ....

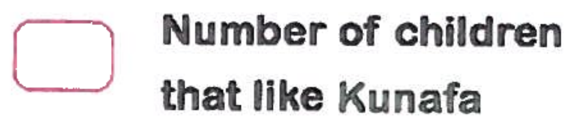
6 Use the following table to complete the bar graph

Favorite Desserts	Tallies	Number of Children
Basbousa	卌 |||	
Kunafa	卌 卌	
Sweet Potatoes	卌 |	
Sweet Feteer	卌 卌 ||	
Om Ali	卌 卌 卌	



Use the bar graph : complete usin < , = or > :

a) Number of children that like Basbousa ☐ Number of children that like Kunafa



b) Number of children that like Potatoes ☐ Number of children that like Om Ali



c) Number of children that like Feteer ☐ Number of children that like Basbousa



First Choose the correct answer

a) The place-value of the digit 7 in the number 573 is ....
(ones *or* tens *or* hundreds)

b) Two hundreds and two = ... (212 *or* 220 *or* 202)

c) 5 + 0 + 7 = ... (507 *or* 57 *or* 12)

d) 50 tens = ... hundreds (5 *or* 55 *or* 500)

e) 6 ones + 7 hundreds + 9 tens = ...
(679 *or* 976 *or* 796)

Second Complete the following

a) 5 ones + 7 tens = ...

b) The smallest 2-digit - number is ....

c) The value of the digit 5 in the number 58 is ....

d) The greatest number forme from the digits 5 and 8 is ....

e) 20 , 25 , 30 , 35 , ..., ..., ...

Third Answer the following

a) **Find the result :**

(1) 2 5 + 3 3 = ...   (2) 4 8 - 3 8 = ...

(3) 8 5 + 1 1 = ...   (4) 6 9 - 3 2 = ...

---

b) **Arrange the following numbers in an ascending order .**

75 , 58 , 92 , 37 , 85

.... , ... , ... , ... , ...

---

c) Mona has LE 38 and Nada has LE 51 .

How much money do they have altogether ?

They have = ... + ... = LE ....



The Line Plot graph

Example

The following numbers are the result from a test taken by a class of 24 students:

16 , 14 , 17 , 11 , 14 , 19 , 11 , 17
12 , 21 , 22 , 18 , 11 , 16 , 15 , 14
18 , 12 , 13 , 16 , 17 , 15 , 13 , 17

Make a line plot out of These data :

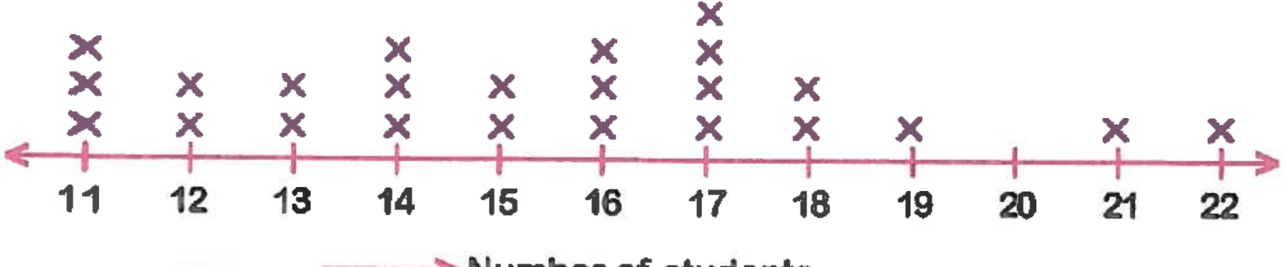
Step 1 : We determin the largest and lowest:

The lowest value : 11 The largest value : 22

Step 2 : We determine how often each value is repeated

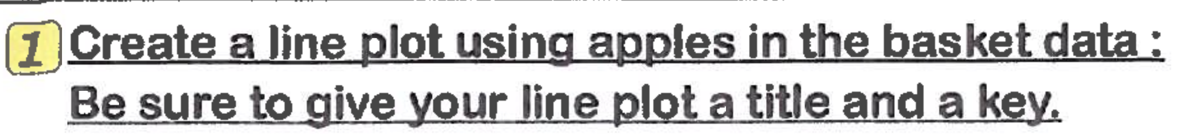
Marks	11	12	13	14	15	16	17	18	19	20	21	22
Frequency	3	2	2	3	2	3	4	2	1	0	1	1

Step 3 : We put the numbers on the number line and put a mark (X) above each value according to their frequency

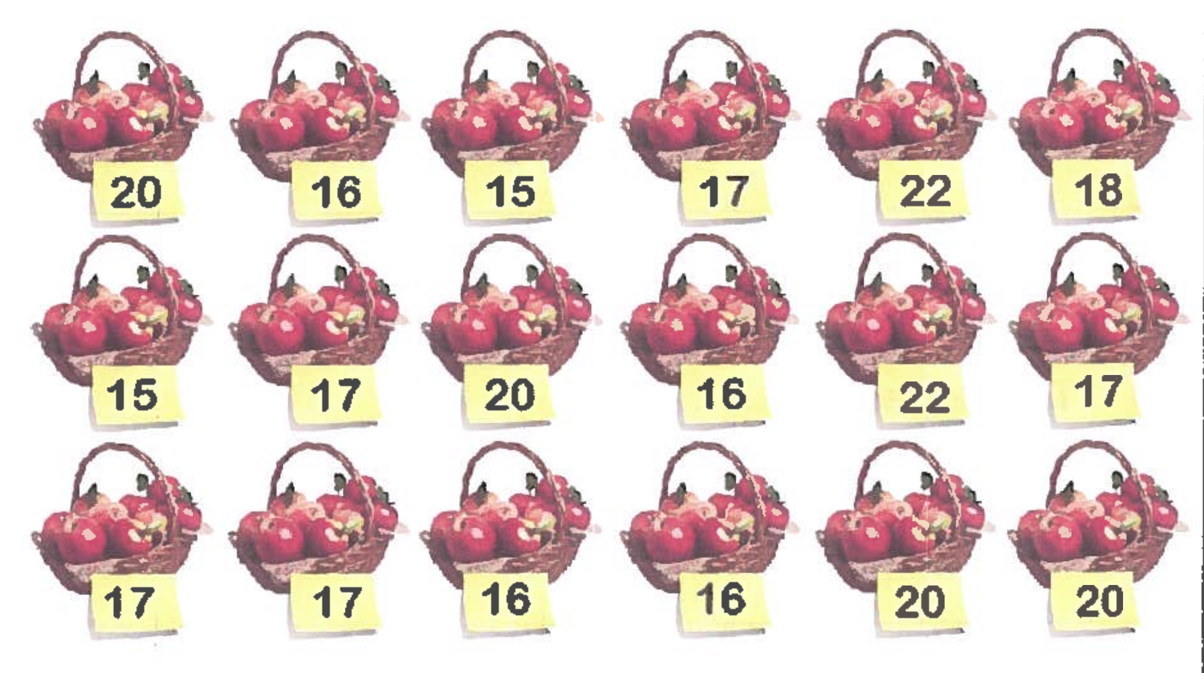


Title → Number of students

Key → X = 1 student



1 **Create a line plot using apples in the basket data :**
Be sure to give your line plot a title and a key.



(a) The lowest value : ....   The largest value : ....

(b) The number of times each number is repeated

Number of apples	......	......	......	......	......	......	......	......
Frequancy	......	......	......	......	......	......	......	......

(c) The line plot :

....

X = ...

2 The following data shows the weights of 20 children. (in Kilograms) . Creat a line plot using these data.

68 , 65 , 63 , 63 , 62 , 64 , 65 , 61 , 65 , 61

64 , 61 , 64 , 66 , 64 , 62 , 61 , 62 , 68 , 65

a The lowest value : ....

The largest value : ....

b The number of times each number is repeated

The weight	......	......	......	......	......	......	......	......
Frequancy	......	......	......	......	......	......	......	......

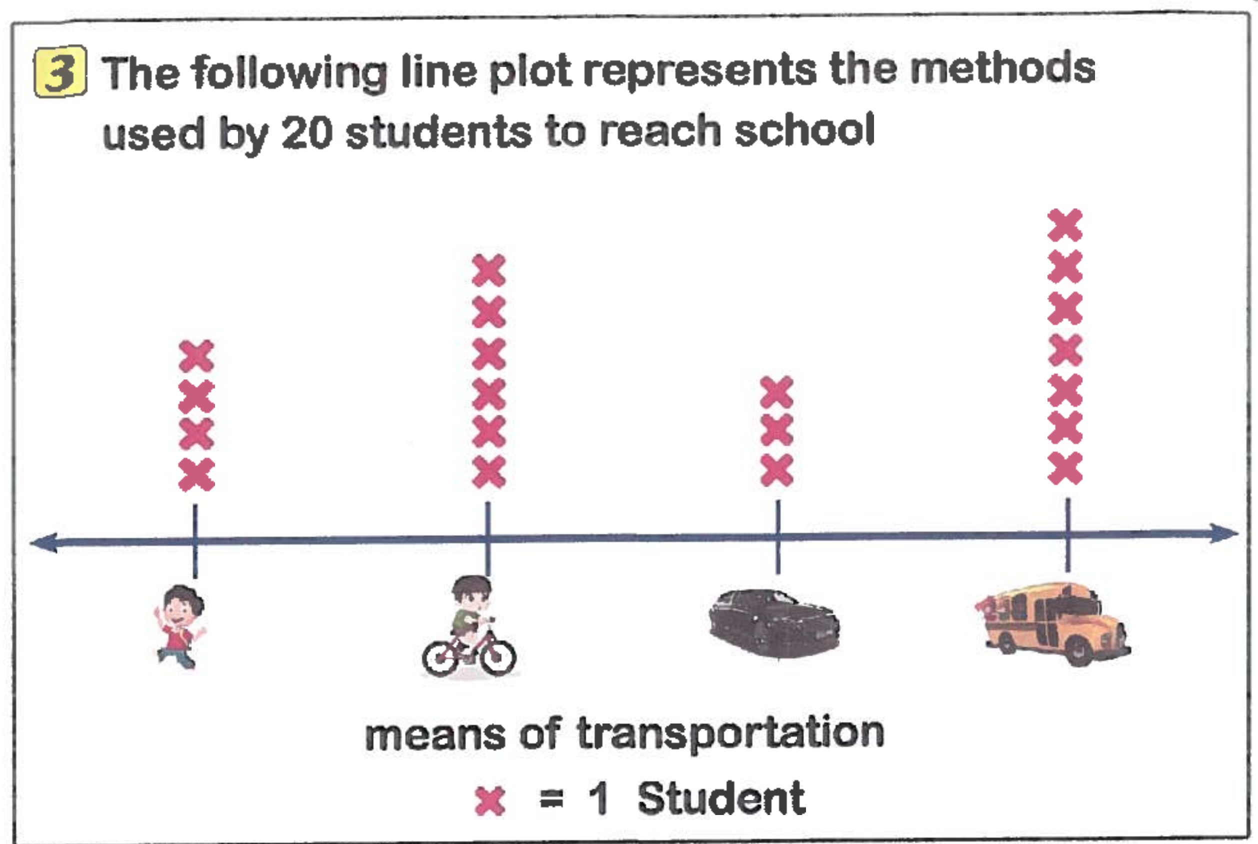
c The line plot :



....

X = ...

3 The following line plot represents the methods used by 20 students to reach school



Answer the following :

a How many students go to school by bus? ....

b How many students go to school by car? ....

c How many students go to school by bicycle ? ....

d How many students go to school on foot? ....

e What is the most popular means of transportation for students? ....

f How many more students go by bus to school than a bicycle ? ....



1 The following numbers are the result from a test taken by a class of 24 students:

18 , 12 , 13 , 16 , 17 , 17 , 13 , 17
16 , 14 , 11 , 18 , 14 , 19 , 11 , 17
21 , 21 , 22 , 18 , 11 , 16 , 15 , 14

Make a line plot out of These data :

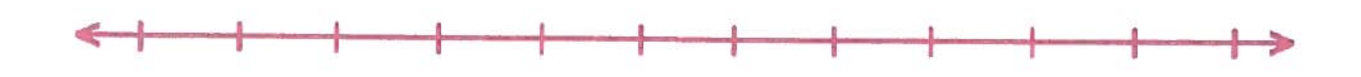
a The lowest value : ....

The largest value : ....

b The number of times each number is repeated

Marks												
Frequency												

c The line plot :



....

X = ...

2 **Create a line plot using eggs in the basket data :**
Be sure to give your line plot a title and a key.



a The lowest value : .... The largest value : ....

b The number of times each number is repeated

Number of eggs	......	......	......	......	......	......	......	......	......
Frequancy	......	......	......	......	......	......	......	......	......

c The line plot :



....

x = ...

3 The following data shows the weights of 20 children. (in Kilograms) . Creat a line plot using these data.

55 , 50 , 54 , 54 , 51 , 55 , 52 , 53 , 57 , 58

58 , 58 , 58 , 54 , 53 , 57 , 51 , 50 , 50 , 52

a The lowest value : ....

The largest value : ....

b The number of times each number is repeated

The weight	......	......	......	......	......	......	......	......	......
Frequancy	......	......	......	......	......	......	......	......	......

c The line plot :



....

X = ...

4 The following data shows the number of students in each of the school's 20 classes, Creat a line plot using these data :

45 , 40 , 46 , 45 , 39 , 40 , 41 , 43 , 45 , 38

44 , 45 , 39 , 43 , 40 , 43 , 38 , 41 , 44 , 39

a The lowest value : ....

The largest value : ....

b The number of times each number is repeated

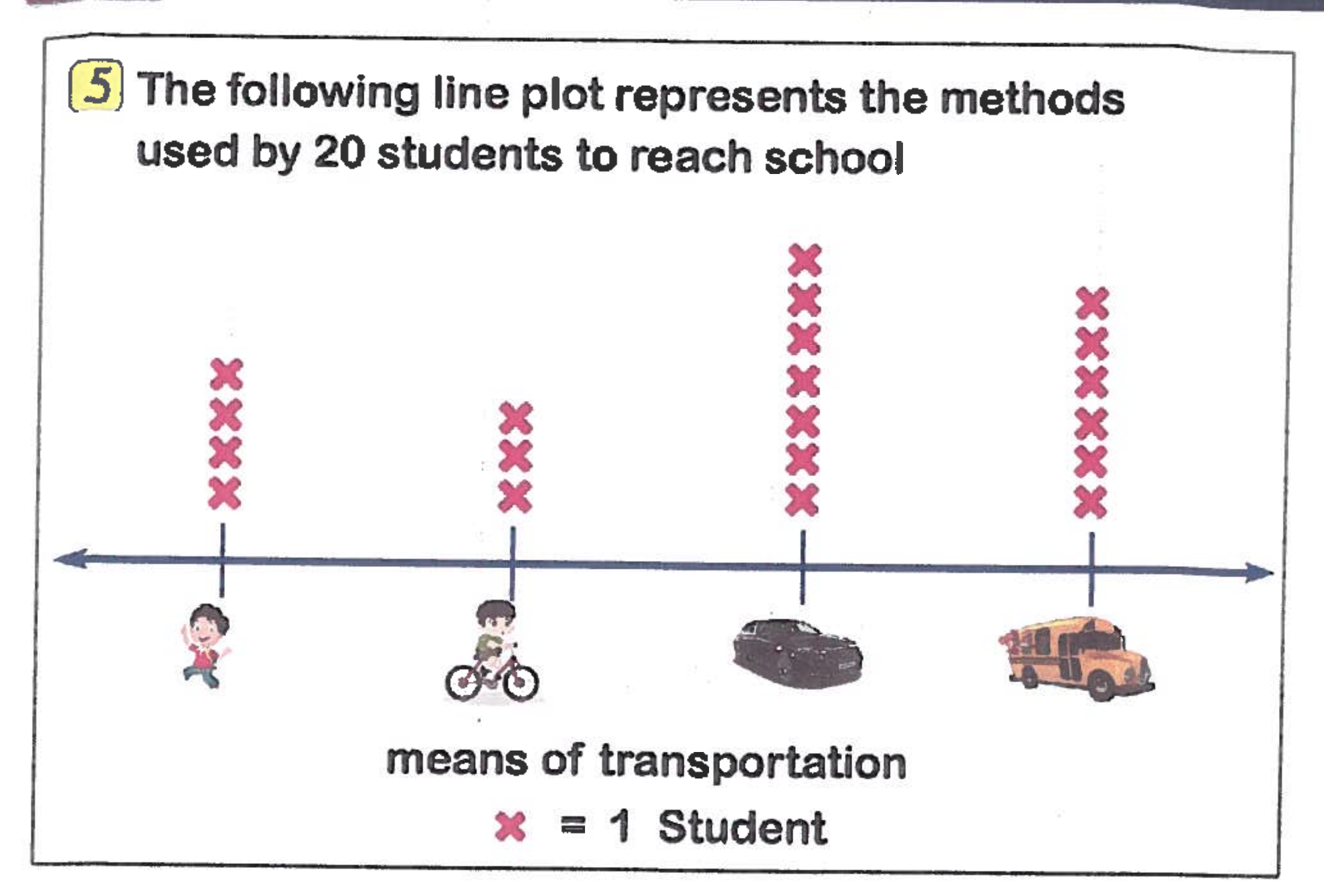
The number of students	......	......	......	......	......	......	......	......	......
Frequancy	......	......	......	......	......	......	......	......	......

c The line plot :



....

x = ...



Answer the following :

a) How many students go to school by bus? ....

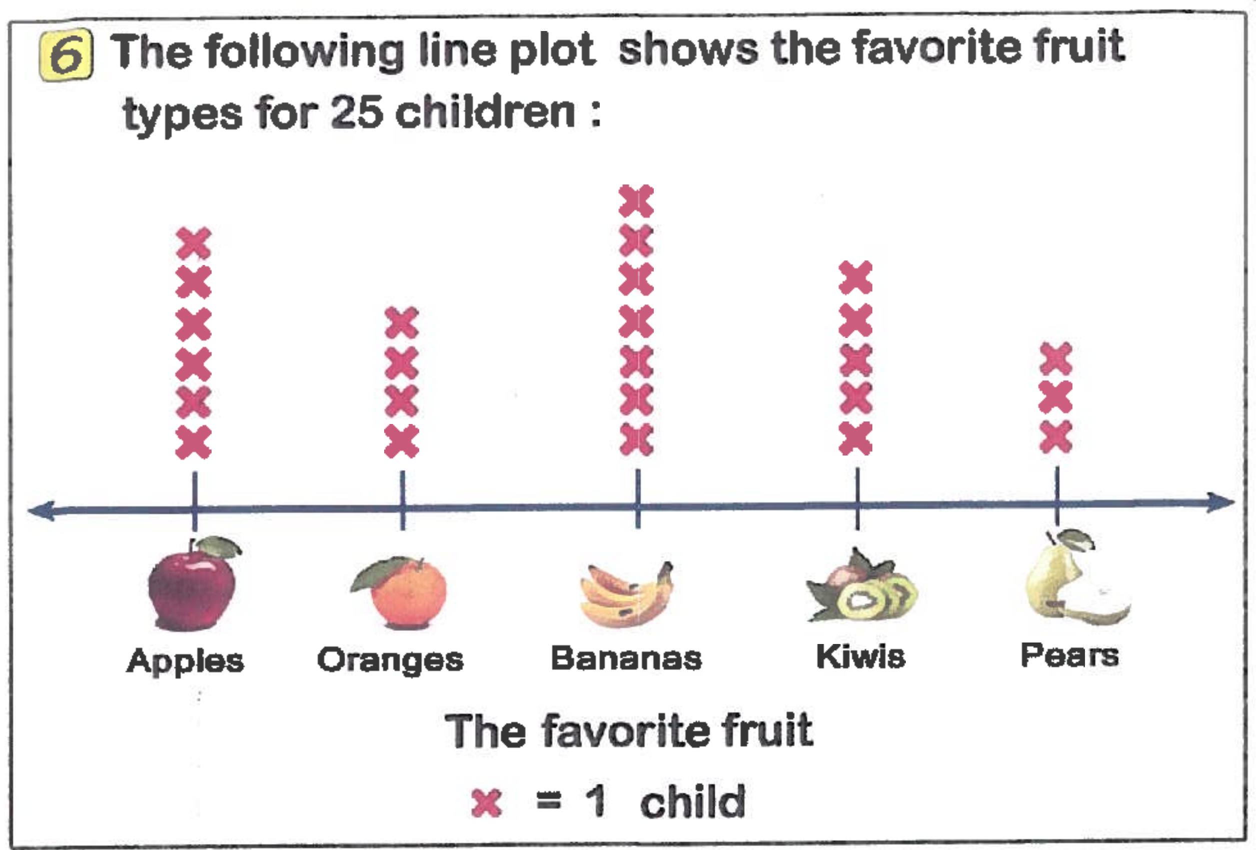
b) How many students go to school by car? ....

c) How many students go to school by bicycle ? ....

d) How many students go to school on foot? ....

e) What is the most popular means of transportation for students? ....

f) How many more students go by car to school than a bus ? ....



Complete the following table :

Favorite Fruit	Apples	Oranges	Bananas	Kiwis	Pears
Number of children					

Answer the questions:

a How many children liked oranges ? ....

b How many more children liked apples than pears ?

....

c How many children all togethr liked kiwis , apples and oranges ? ....

d Which fruit is liked the most ? ....

e Which fruit is liked the least ? ....



Sheet 2

First Choose the correct answer

a) The smallest number formed from 5 , 0 and 3 = ...

(503 *or* 305 *or* 350)

b) 7 + 20 + 800 = ... (728 *or* 278 *or* 827)

c) One hunred and ten = ... (110 *or* 101 *or* 111)

d) The number 580 comes right after ..... (581 *or* 579 *or* 570)

e) The place value of the digit 3 in the number 534 = ...

(hundreds *or* ones *or* tens)

Second Complete the following

a) The largest 3-digit - number is ....

b) The value of the digit 0 in the number 209 is ....

c) 105 , 100 , 95 , 90 , ... , ... , ...

d) 500 = ... tens

e) The number that comes right before 600 is ....

Third Answer the following

a) **Find the result :**

585 + 315 = ... 800 − 86 = ...

97 + 13 = ... 58 − 18 = ...

b) **Arrange the following numbers in an ascending order .**

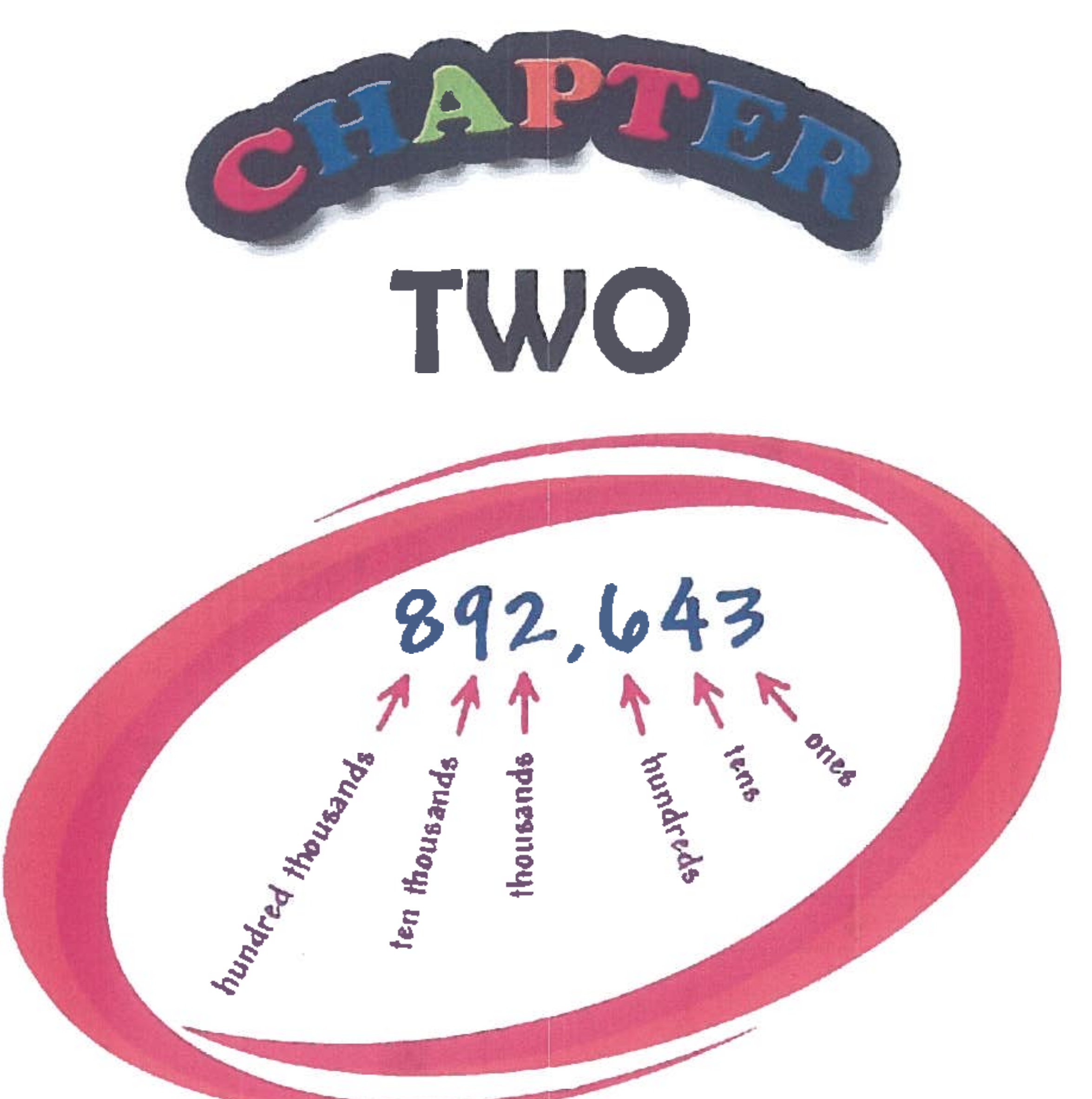
405 , 504 , 450 , 540 , 500

.... , ... , ... , ... , ...

c) Shimaa had LE 750 , she bought a T-shirt for LE 185 .

Find the remaining money with her ?

The remainder = ... − .... = LE ....

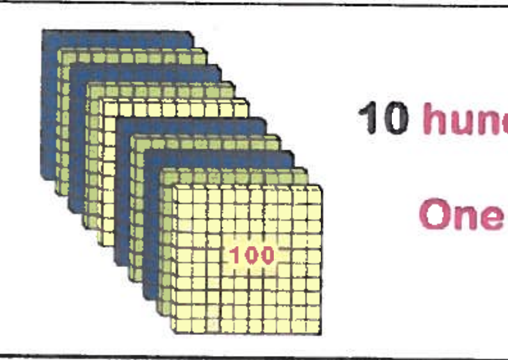


NUMBER

UP TO 999 999



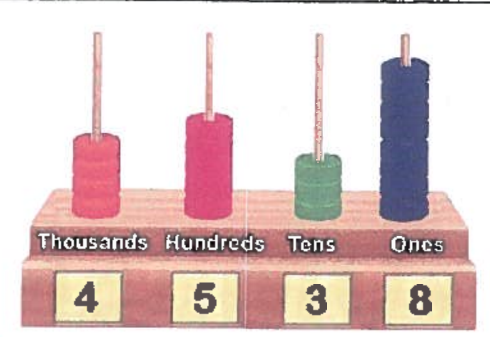
4-digit numbers (Thousands)



10 hundreds = 1000

One thousand

Thousands	Hundreds	Tens	Ones
4	5	3	8



STANDARD FORM	4 538
WORD FORM	Four thousand , five hundred and thirty eight.
SHORT WORD FORM	4 thousand , 538
EXPANDED FORM	4000 + 500 + 30 + 8 4 thousands + 5 hundreds + 3 tens + 8 ones

Write the number shown on the figure:

Thousands	Hundreds	Tens	Ones

WORD FORM ....

SHORT WORD FORM ....

STANDARD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Thousands	Hundreds	Tens	Ones

WORD FORM ....

SHORT WORD FORM ....

STANDARD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Thousands	Hundreds	Tens	Ones

WORD FORM ....

SHORT WORD FORM ....

STANDARD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Thousands	Hundreds	Tens	Ones

WORD FORM ....

SHORT WORD FORM ....

STANDARD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Write the number shown on the figure:

Thousands Hundreds Tens Ones

STANDARD FORM ....

WORD FORM ....

SHORT WORD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens+ .... ones

---

Thousands Hundreds Tens Ones

STANDARD FORM ....

WORD FORM ....

SHORT WORD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens+ .... ones

---

Thousands Hundreds Tens Ones

STANDARD FORM ....

WORD FORM ....

SHORT WORD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens+ .... ones

---

Thousands Hundreds Tens Ones

STANDARD FORM ....

WORD FORM ....

SHORT WORD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens+ .... ones



Complete the following table :

STANDARD FORM	WORD FORM	SHORT WORD FORM	EXPANDED FORM
6 354	....	....	.... + ... + ... + ... Thousands + ... hundreds + ... tens + ... ones
....	Nine thousand , five hundred and seventy four	....	.... + ... + ... + ... Thousands + ... hundreds + ... tens + ... ones
....	....	8 thousand , 502	.... + ... + ... + ... Thousands + ... hundreds + ... tens + ... ones
....	....	....	700 + 300 + 20 + 8 .... Thousands + ... hundreds + ... tens + ... ones
....	Six thousand , and twenty	....	.... + ... + ... + ... Thousands + ... hundreds + ... tens + ... ones
3 008	....	....	.... + ... + ... + ... Thousands + ... hundreds + ... tens + ... ones



Write the number shown on the figure:

Thousands	Hundreds	Tens	Ones

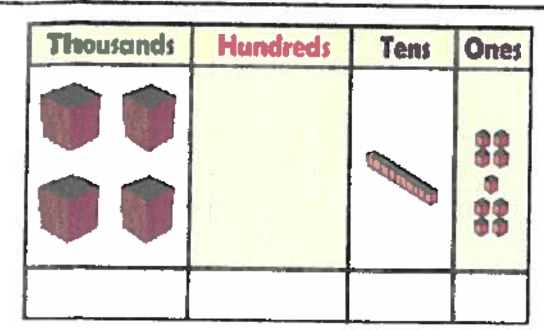
STANDARD FORM ....

WORD FORM ....

SHORT WORD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones



STANDARD FORM ....

WORD FORM ....

SHORT WORD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Thousands	Hundreds	Tens	Ones

STANDARD FORM ....

WORD FORM ....

SHORT WORD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Thousands	Hundreds	Tens	Ones

STANDARD FORM ....

WORD FORM ....

SHORT WORD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Write the number shown on the figure:

Thousands	Hundreds	Tens	Ones

STANDARD FORM ....

WORD FORM ....

SHORT WORD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Thousands	Hundreds	Tens	Ones

STANDARD FORM ....

WORD FORM ....

SHORT WORD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Thousands	Hundreds	Tens	Ones

STANDARD FORM ....

WORD FORM ....

SHORT WORD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Thousands	Hundreds	Tens	Ones

STANDARD FORM ....

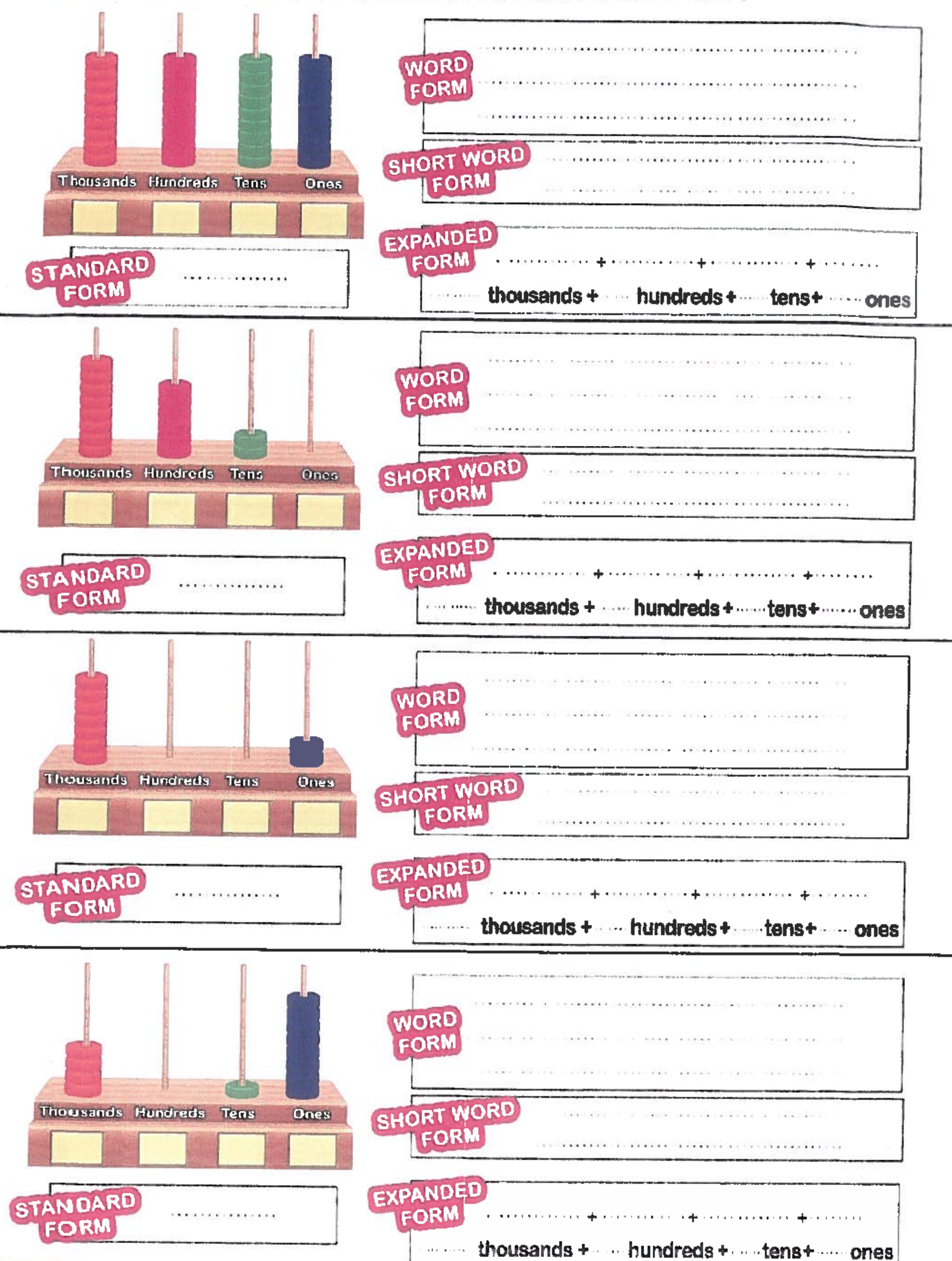
WORD FORM ....

SHORT WORD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Write the number shown on the Abacus :



Write the number shown on the Abacus :

Thousands Hundreds Tens Ones

WORD FORM ....

SHORT WORD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

STANDARD FORM ....

Thousands Hundreds Tens Ones

WORD FORM ....

SHORT WORD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

STANDARD FORM ....

Thousands Hundreds Tens Ones

WORD FORM ....

SHORT WORD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

STANDARD FORM ....

Thousands Hundreds Tens Ones

WORD FORM ....

SHORT WORD FORM ....

EXPANDED FORM .... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

STANDARD FORM ....

Complete the following table :

STANDARD FORM	WORD FORM	SHORT WORD FORM	EXPANDED FORM
8 365	....	....	.... + ... + ... + ... Thousands + ... hundreds + ... tens + ... ones
....	Nine thousand , five hundred and sixteen	....	.... + ... + ... + ... Thousands + ... hundreds + ... tens + ... ones
....	....	9 thousand , 73	.... + ... + ... + ... Thousands + ... hundreds + ... tens + ... ones
....	....	....	3000 + 500 + 30 + 2 .... Thousands + ... hundreds + ... tens + ... ones
....	Two thousand and Five hundred	....	.... + ... + ... + ... Thousands + ... hundreds + ... tens + ... ones
3 285	....	....	.... + ... + ... + ... Thousands + ... hundreds + ... tens + ... ones



Complete the following table :

STANDARD FORM	WORD FORM	SHORT WORD FORM	EXPANDED FORM
....	....	....	7000 + 0 + 0 + 5 .... Thousands + ... hundreds + ... tens + ... ones
....	....	9 thousand , 127	.... + ... + ... + ... Thousands + ... hundreds + ... tens + ... ones
....	Nine thousand one hundred and seven	....	.... + ... + ... + ... Thousands + ... hundreds + ... tens + ... ones
6 327	....	....	.... + ... + ... + ... Thousands + ... hundreds + ... tens + ... ones
....	....	....	9000 + 500 + 40 + 8 .... Thousands + ... hundreds + ... tens + ... ones
....	....	4 thousand , 16	.... + ... + ... + ... Thousands + ... hundreds + ... tens + ... ones



Sheet 1

First Choose the correct answer

a) Six thousand , 12 (in digits) = ... (6 012 or 6 003 or 6 120)

b) Five thousand and fifty one = ... (5 510 or 5 501 or 5 051)

c) 3 + 0 + 0 + 5 = ... (3 005 or 8 or 35)

d) 10 hundreds = ... thosand (1 or 10 or 1000)

e) 9000 + 50 + 100 + 6 = ... (9 516 or 9 156 or 9 165)

Second Complete the following

a) Nine thousand and fifty two (in digits) = ...

b) 7 012 (in words) is ....

c) 5 + 70 + 800 + 3 000 = ...

d) 3 thousands = ... hundreds

e) 8 thousand , 45 (in digits) = ...

Third Answer the following

a) Match :

Five thousand and sixteen	4000 + 500 + 20 + 7
9 thousand , 40	5 000 + 0 + 10 + 6
4 thousand , 527	9 thousand , 721
Nine thousand , seven hundred and twenty one	Nine thousand and forty

b) Complete :

Thousands	Hundreds	Tens	Ones

STANDARD FORM ....

WORD FORM ....
....
....

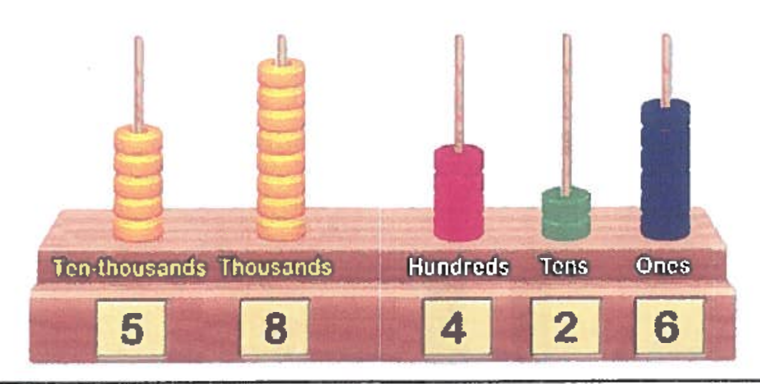
SHORT WORD FORM ....

EXPANDED FORM .... + ... + ... + ...



5-didgt numbers
(Ten-thousands)

Ten-thousands	One-thousands thousands	Hundreds	Tens	Ones
5	8	4	2	6



STANDARD FORM	58 426
WORD FORM	Fifty eight thousand , four hundred and twenty six
SHORT WORD FORM	58 thousand , 426
EXPANDED FORM	50 000 + 8 000 + 400 + 20 + 6 58 thousands + 4 hundreds + 2 tens + 6 ones

Remarks

10 thousands = 10 000

10 thousands = 100 hundreds

10 thousands = 1000 tens

20 000 = 20 thousands = 200 hundreds = 2000 tens

2 000 = 2 thousands = 20 hundreds = 200 tens

Write the number shown on the Abacus :

Ten-thousands Thousands Hundreds Tens Ones

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....

EXPANDED FORM .... + ... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Ten-thousands Thousands Hundreds Tens Ones

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....

EXPANDED FORM .... + ... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Ten-thousands Thousands Hundreds Tens Ones

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....

EXPANDED FORM .... + ... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Complete the following :

STANDARD FORM: 70 357

SHORT WORD FORM: ....

WORD FORM: ....
....

EXPANDED FORM: .... + ... + ... + ...

.... Thousands + ... hundreds + ... tens + ... ones

---

STANDARD FORM: ....

SHORT WORD FORM: 48 thousand , 307

WORD FORM: ....
....
....

EXPANDED FORM: .... + ... + ... + ...

.... Thousands + ... hundreds + ... tens + ... ones

---

STANDARD FORM: ....

SHORT WORD FORM: ....

WORD FORM: Twenty eight thousand , nine hundred and fifty one.

EXPANDED FORM: .... + ... + ... + ...

.... Thousands + ... hundreds + ... tens + ... ones

---

STANDARD FORM: ....

SHORT WORD FORM: ....

WORD FORM: ....
....
....

EXPANDED FORM: 90 000 + 1 000 + 700 + 30 + 2

.... Thousands + ... hundreds + ... tens + ... ones

Write the following numbers in standard form:

a) Fifty six thousand , two hundred forty five : ....

b) 29 thousands + 2 hundreds + 9 tens + 2 ones = ...

c) 18 thousands , 736 = ...

d) 50 000 + 4 000 + 20 + 5 = ...

Write the following numbers in word form:

a) 26 128 : ....

....

b) 50 thousand + 2 hundreds + 3 ones : ....

....

c) 16 thousand , 203 : ....

....

d) 20 000 + 20 : ....

....

Write the following numbers in short word form:

a) Nineteen thousand and fifteen : ....

b) 12 thousands + 3 tens : ....

c) 75 207 : ....

d) 80 000 + 500 + 90 + 1 = ...

Write the following numbers in expanded form:

a) 25 128 = ... + ... + ... + ... + ...

b) 75 193 = ... thousands + ... hundreds + ... tens + ... ones

c) Seventy five thousand , nine hundred sixty four

= .... + ... + ... + ... + ...

d) 25 thousand , 15 = ... + ... + ... + ... + ...





Write the number shown on the Abacus :

Ten-thousands Thousands Hundreds Tens Ones

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....

EXPANDED FORM .... + ... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Ten-thousands Thousands Hundreds Tens Ones

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....

EXPANDED FORM .... + ... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Ten-thousands Thousands Hundreds Tens Ones

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....

EXPANDED FORM .... + ... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones



Write the number shown on the Abacus :

Ten-thousands Thousands Hundreds Tens Ones

STANDARD FORM ....

WORD FORM ....
....
....

SHORT WORD FORM ....
....

EXPANDED FORM .... + ... + ... + ... + ...
... thousands + ... hundreds + ... tens + ... ones

Ten-thousands Thousands Hundreds Tens Ones

STANDARD FORM ....

WORD FORM ....
....
....

SHORT WORD FORM ....
....

EXPANDED FORM .... + ... + ... + ... + ...
... thousands + ... hundreds + ... tens + ... ones

Ten-thousands Thousands Hundreds Tens Ones

STANDARD FORM ....

WORD FORM ....
....
....

SHORT WORD FORM ....
....

EXPANDED FORM .... + ... + ... + ... + ...
... thousands + ... hundreds + ... tens + ... ones

Ten-thousands Thousands Hundreds Tens Ones

STANDARD FORM ....

WORD FORM ....
....
....

SHORT WORD FORM ....
....

EXPANDED FORM .... + ... + ... + ... + ...
... thousands + ... hundreds + ... tens + ... ones

Complete the following table :

STANDARD FORM: 87 635

SHORT WORD FORM: ....

WORD FORM: ....
....
....

EXPANDED FORM: .... + ... + ... + ... + ...

.... Thousands + ... hundreds + ... tens + ... ones

---

STANDARD FORM: 52 038

SHORT WORD FORM: ....

WORD FORM: ....
....
....

EXPANDED FORM: .... + ... + ... + ... + ...

.... Thousands + ... hundreds + ... tens + ... ones

---

STANDARD FORM: ....

SHORT WORD FORM: 68 thousand , 200

WORD FORM: ....
....
....

EXPANDED FORM: .... + ... + ... + ... + ...

.... Thousands + ... hundreds + ... tens + ... ones

---

STANDARD FORM: ....

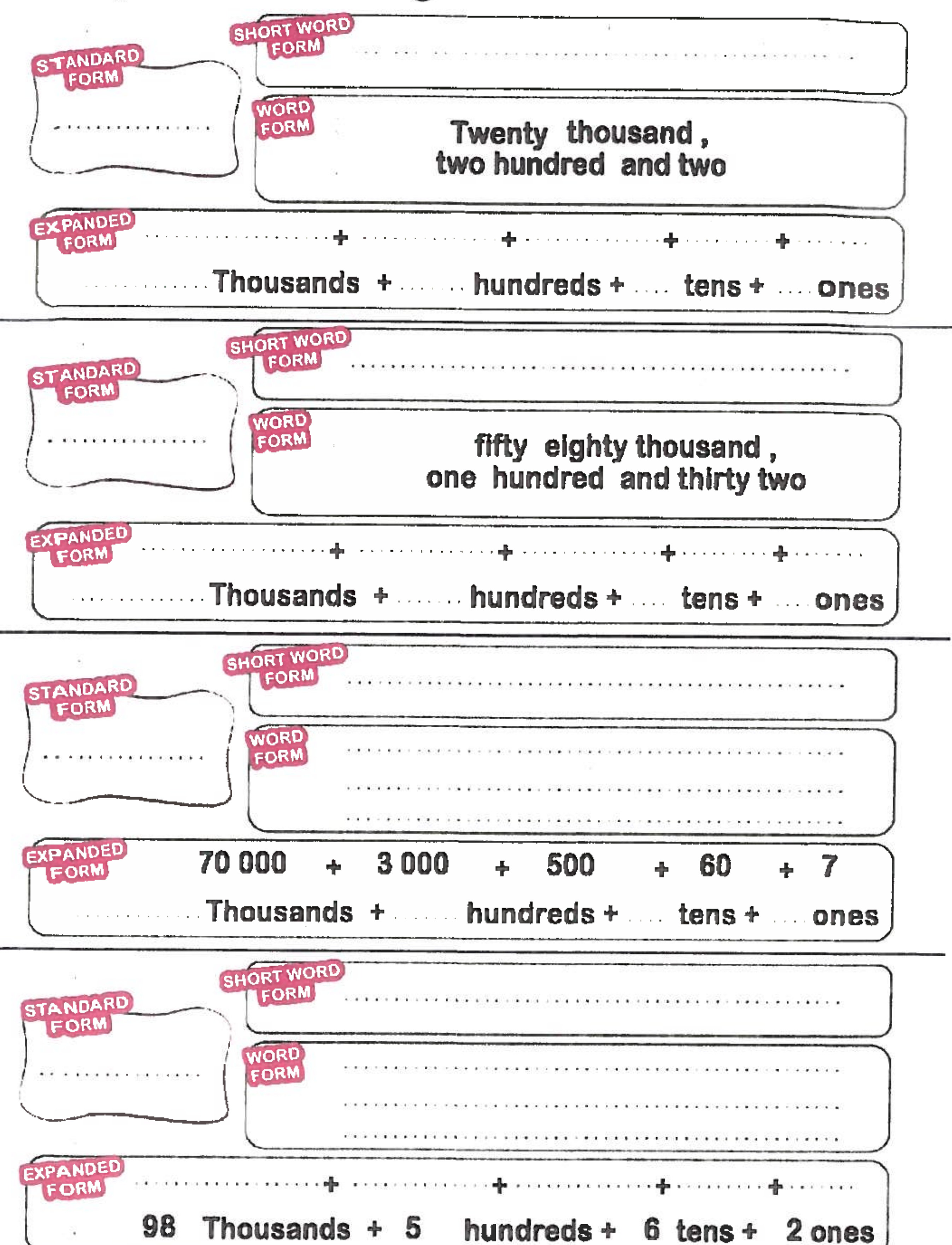
SHORT WORD FORM: 15 thousand , 150

WORD FORM: ....
....
....

EXPANDED FORM: .... + ... + ... + ... + ...

.... Thousands + ... hundreds + ... tens + ... ones

Complete the following:



Write the following numbers in standared form :

a) Ninety six thousand , five hundred and fifteen : ....

b) Seventy thousand , Two hundred and five : ....

c) Ten thousand and five : ....

d) Sixteen thousand and four hundred : ....

e) Five thousand and eleven : ....

f) 30 000 + 2 000 + 500 + 40 + 2 = ...

g) 800 + 50 000 + 7 = ...

h) 20 + 1 + 70 000 + 4000 = ...

i) 25 thousand + 4 hundred + 6 tens + 2 ones = ...

j) 8 hundreds + 15 thousands + 2 ones + 3 tens = ...

k) 5 hundreds + 20 thousands + 4 ones + 6 tens = ...

l) 45 thousand , 105 = ...

Write the following numbers in expanded form :

a) 35 256 = ... + ... + ... + ... + ...

b) 98 125 = ... + ... + ... + ... + ...

c) 30 065 = ... + ... + ... + ... + ...

d) Ninety six thousand , Two hundred and fifty seven

= .... + ... + ... + ... + ...

e) Eighty thousand , five hundred and two

= .... + ... + ... + ... + ...

f) Ten Thousand and five

= .... + ... + ... + ... + ...

g) 15 thousand , 298

= .... + ... + ... + ... + ...

h) 70 thousand , 25 = ... + ... + ... + ... + ...

Write the following numbers in expanded form :

a) 35 256 =... ... thousands +... ... hundreds +... ... tens +... ... ones

b) 40 128 =... ... thousands +... ... hundreds +... ... tens +... ... ones

c) 96 138 =... ... hundreds + ... thousands +... ... ones +... ... tens

d) 18 050 =... ... tens + ... thousands+... ... ones +... ... hundreds

e) Seventy two thousand, six hundred and fourteen

f) = ... thousands+... ... ones +... ... hundreds +... ... tens

g) Eighteen thousand, Five hundred and twenty seven

h) =... ... thousands +... ... hundreds +... ... tens +... ... ones

i) Ninety thousand , and nineteen

j) =... ... tens + ... hundreds +... ... thousands +... ... ones

Write the following numbers in word form :

a) 45 369 ....

....

b) 29 023 ....

....

c) 20 105 ....

....

d) 12 thousand, 208 ....

....

e) 18 thousand , 830 ....

....

f) 10 thousand ,070 ....

....

Write the following numbers in word form :

a) 30 thousand + 5 hundreds + 4 tens + 2 ones =

....

....

b) 63 thousand + 8 tens + 5 hundreds + 2 ones =

....

....

c) 2 hundreds + 52 thousands + 2 ones + 6 tens =

....

....

d) 7 ones + 68 thousands + 4 hundreds + 3 tens =

....

....

e) 50 000 + 2 000 + 100 + 30 + 4 = ...

....

....

f) 10 + 90 000 + 600 + 4 + 7 000 = ...

....

....

g) 20 000 + 50 + 4 = ...

....

....

h) 90 000 + 4 000 + 20 = ...

....

....



Sheet 2

First Choose the correct answer

a) Sixty thousand , seven hundred and ninety six = ...

(6 796 *or* 60 796 *or* 67 096)

b) Ninety thousand , 19 = ... (90 019 *or* 19019 *or* 9019)

c) 30 000 + 200 + 4 = ... (30 024 *or* 32 004 *or* 30 204)

d) 100 hundreds = ... thosand (10 000 *or* 100 *or* 10)

e) 25 thousands + 6 ones + 7 hundreds + 9 tens = ...

(25 679 *or* 25 796 *or* 25 769)

Second Complete the following

a) 15 thousand , 50 = ... (Standard form)

b) 200 + 50 000 + 6 + 9000 + 7 = ... (Standard form)

c) 95 256 = ... + ... + ... + ... + ...

d) 9 thousand + 5 tens + 7 ones + 2 hundreds = ...

e) 60 308 (Word form) : ....

....

Third Answer the following

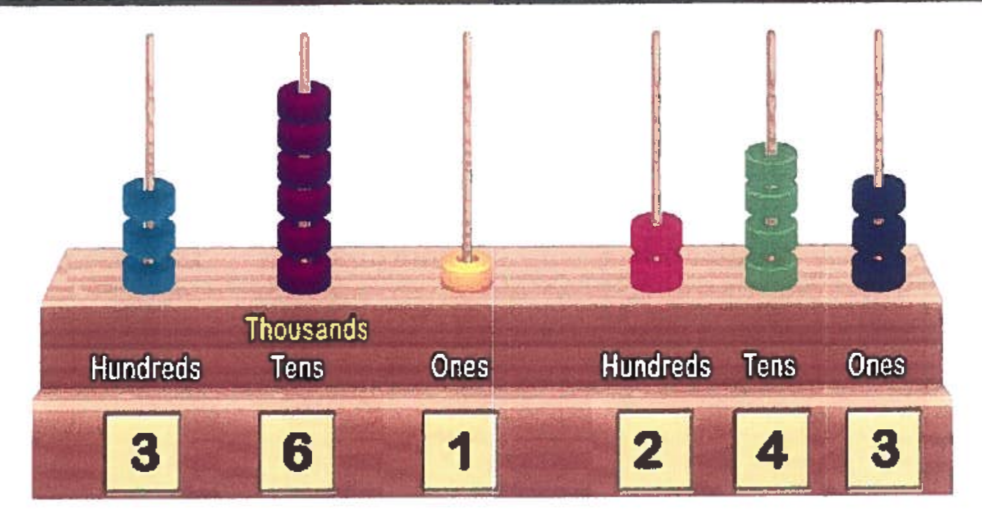
Mach

Ninety nine thousand and nine hundred	90 099
Ninety thousand and ninety nine	90 990
Ninety thousand , nine hundred and nine	99 900
Ninety thousand , nine hundred and ninety	90 909



6-digit number (Hundred-thousands)

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
3	6	1	2	4	3



STANDARD FORM	361 243
WORD FORM	Three hundred sixty one thousand , two hundred forty three.
SHORT WORD FORM	361 thousand , 243.
EXPANDED FORM	300 000 + 60 000 + 1 000 + 200 + 40 + 3. 361 thousand + 2 hundreds + 4 tens + 3 ones.

Remarks

100 thousands = 100 000

100 thousands = 1000 hundreds

100 thousands = 10000 tens

200 000 = 200 thousands = 2000 hundreds = 20000 tens

Write the number shown on the Abacus :

Hundreds | Thousands Tens | Ones | Hundreds | Tens | Ones

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....

EXPANDED FORM .... + ... + ... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Hundreds | Thousands Tens | Ones | Hundreds | Tens | Ones

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....

EXPANDED FORM .... + ... + ... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Hundreds | Thousands Tens | Ones | Hundreds | Tens | Ones

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....

EXPANDED FORM .... + ... + ... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
7	5	0	0	7	2

STANDARD FORM ....

SHORT WORD FORM ....
....

WORD FORM ....
....
....

EXPANDED FORM ....
.... thousands + ... hundreds + ... tens + ... ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
7	0	0	8	1	0

STANDARD FORM ....

SHORT WORD FORM ....
....

WORD FORM ....
....
....

EXPANDED FORM ....
.... thousands + ... hundreds + ... tens + ... ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
2	1	5	0	0	3

STANDARD FORM ....

SHORT WORD FORM ....
....

WORD FORM ....
....
....

EXPANDED FORM ....
.... thousands + ... hundreds + ... tens + ... ones

Write the following numbers in standard form:

a) Five hundred six thousand , two hundred forty five : ....

b) 367 thousands + 5 hundreds + 2 tens + 3 ones = ...

c) 818 thousands , 482 = ...

d) 200 000 + 40 000 + 5 000 + 900 + 80 + 7 = ...

Write the following numbers in word form:

a) 100 066 : ....

....

b) 550 thousand + 2 hundreds : ....

....

c) 206 thousand , 20 : ....

....

d) 200 000 + 200 : ....

....

Write the following numbers in short word form:

a) Nine hundred thousand and fifteen : ....

b) 313 thousands + 33 tens : ....

c) 975 009 : ....

d) 800 000 + 10 000 + 5000 + 500 + 90 + 1 = ...

Write the following numbers in expanded form:

a) 815 125 = ... + ... + ... + ... + ... + ...

b) 179 375 = ... thousands + ... hundreds + ... tens + ... ones

c) Seven hundred ninety five thousand , nine hundred sixty four

= .... + ... + ... + ... + ... + ...

d) 515 thousand , 155

= .... + ... + ... + ... + ... + ...





Write the number shown on the Abacus :

Thousands
Hundreds Tens Ones Hundreds Tens Ones

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....

EXPANDED FORM .... + ... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Thousands
Hundreds Tens Ones Hundreds Tens Ones

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....

EXPANDED FORM .... + ... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Thousands
Hundreds Tens Ones Hundreds Tens Ones

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....

EXPANDED FORM .... + ... + ... + ... + ...

.... thousands + ... hundreds + ... tens + ... ones

Write the number shown on the Abacus :

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....

EXPANDED FORM .... + ... + ... + ... + ...

thousands + hundreds + tens + ones

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....

EXPANDED FORM .... + ... + ... + ... + ...

thousands + hundreds + tens + ones

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....

EXPANDED FORM .... + ... + ... + ... + ...

thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
5	7	3	9	0	4

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....
....

EXPANDED FORM ....
.... thousands + ... hundreds + ... tens + ... ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
7	1	6	5	7	3

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....
....

EXPANDED FORM ....
.... thousands + ... hundreds + ... tens + ... ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
2	3	4	7	8	9

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....
....

EXPANDED FORM ....
.... thousands + ... hundreds + ... tens + ... ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
9	9	9	9	9	9

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....
....

EXPANDED FORM ....
.... thousands + ... hundreds + ... tens + ... ones

---

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
5	0	3	0	1	8

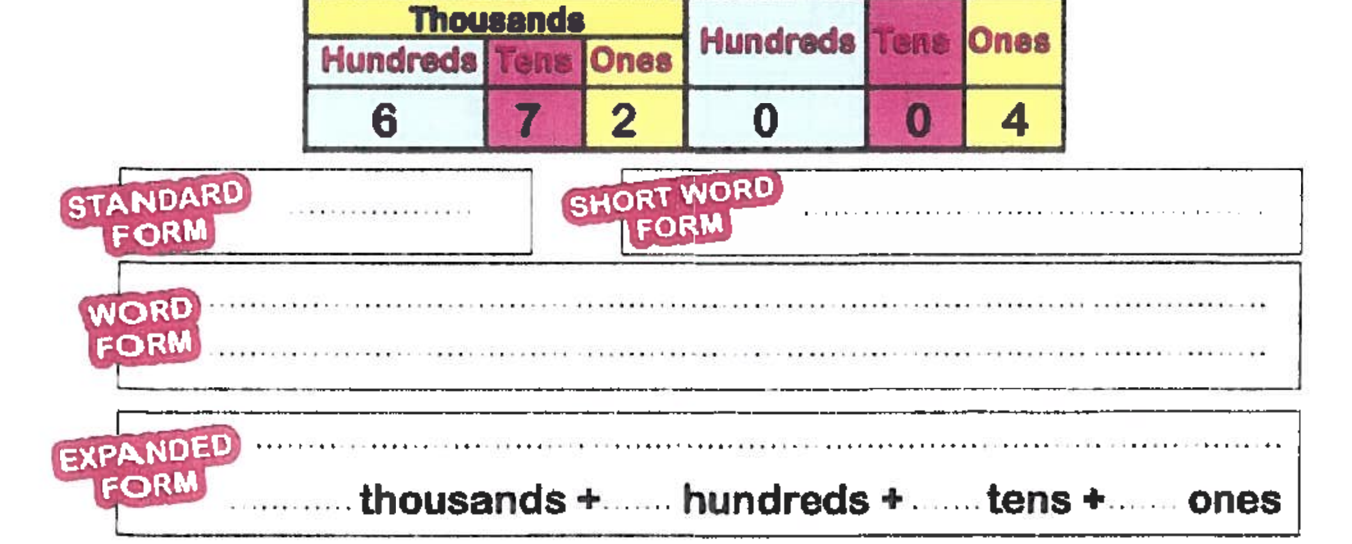
STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....
....

EXPANDED FORM ....
.... thousands + ... hundreds + ... tens + ... ones

---



Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
6	7	2	0	0	4

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....
....

EXPANDED FORM ....
.... thousands + ... hundreds + ... tens + ... ones



Write the following numbers in standard form:

a. Nine hundred nine thousand , Ninety nine
(............ ....)

b. Five hundred twenty six thousand , fifteen
(............ ....)

c. Two hundred thiry thousand , three hundrd
(............ ....)

d. Five hundred thousand , fifty (............ ....)

e. Five hundred fifty thousand (............ ....)

f. Five hundred thousand , five (............ ....)

g. Five hundred five thousand (............ ....)

h. Five hundred thousand , five hundred
(............ ....)

i. Eight hundred sixty seven thousand , seven hundred eight four (............ ....)

j. Seven hundred thirty thousand , thiry seven
(............ ....)

k. Nine hundred ninety nine thousand , nine hundred and ninety nine (............ ....)

l. Four hundred forteen thousand , four hundred fourteen
(............ ....)

m. Four hundred four thousand , four hundred four
(............ ....)

n. Six hundred sixty two thousand , one hundred and seventy three (............ ....)

Write the following numbers in word form:

a) 785 521 ....

b) 502 020 ....

c) 540 120 ....

d) 560 217 ....

e) 500 200 ....

f) 303 000 ....

g) 300 300 ....

h) 300 003 ....

i) 300 030 ....

Complete :

a) 500 000 + 20 000 + 6 000 + 800 + 90 + 2 = ...

b) 9 + 20 + 500 + 2 000 + 70 000 + 600 000 = ...

c) 800 000 + 2 000 + 200 + 7 = ...

d) 500 000 + 80 000 + 3 = ...

e) 600 000 + 300 + 40 + 2 = ...

f) 50 + 800 000 + 6 000 = ...

g) 780 960 = ... + ... + ... + ...

h) 903 103 = ... + ... + ... + ...

i) 500 803 = ... + ... + ...

j) 902 007 = ... + ... + ...

Complete :

a) 858 231 = ... thousands + ... hundreds + ... tens + ... ones

b) 820 025 = ... ones + ... hundreds + ... thousands + ... tens

c) 65 023 = ... thousands + ... hundreds + ... tens + ... ones

d) 10 203 = ... tens + ... thousands + ... hundreds + ... ones

e) 125 thousands + 2 hundreds + 6 tens + 7 ones = ...

f) 9 hundreds + 8 ones + 782 thousands + 3 tens = ...

g) 3 ones + 25 thousands + 7 tens = ...

h) 12 thousands + 9 tens = ...



Sheet 3

First Choose the correct answer

a) Five hundred sixy thousand , sixty five = ...

(560 065 *or* 56 065 *or* 5656)

b) 700 thousad, 7 = ... (700 700 *or* 700 007 *or* 700 070)

c) 3 + 0 + 0 + 0 + 0 + 4 = ... (300 004 *or* 34 *or* 7)

d) 250 thousands = ... Tens (250 000 *or* 25 000 *or* 2 500)

e) 602 thousands + 5 hundreds + 2 tens = ...

(60 252 *or* 602 052 *or* 602 520)

Second Complete the following

a) Two hundred sixty one thousand, fifty two = ...

b) 70 000 + 50 + 500 000 + 300 + 5 + 8 000 = ...

c) 200 thousand, 20 = ...

d) 852 thousand + 7 tens + 5 ones = ...

e) ↑ , ↓ , ↑ , ↓ , ... , ... , ...

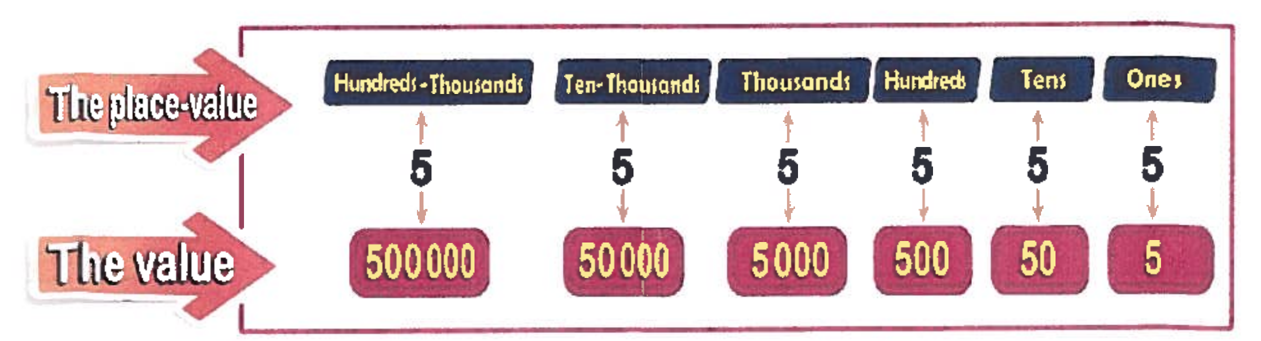
Third Answer the following

Match :

Six hundred thousand , six hundred six	606 600
Six hundred six thousand , six hundred	606 006
Six hundred sixty thousand , and six	600 606
Six hundred six thousand , and six	660 006



The place-value



Example

The digit 5 in the number 35 792 is:

In the place of thousands and its value is 5 000

1 Complete the following table :

	The Number	The value of the encircled digit	The place-value of the encircled digit
a	(4)55 369	....	....
b	3(6)2 512	....	....
c	28(0) 239	....	....
d	696 2(7)4	....	....
e	51 78(0)	....	....
f	39 (9)24	....	....
g	(1)7 357	....	....
h	2(8) 474	....	....

2 Write the value of the digit 7 in each of the following :

a 788 569 : ....

b 180 217 : ....

c 432 476 : ....

d 399 750 : ....

e 675 584 : ....

f 207 000 : ....

3 Write the place-value of the digit 4 in each of the following :

a 532 485 : ....

b 325 374 : ....

c 250 241 : ....

d 947 239 : ....

e 614 698 : ....

f 421 100 : ....

4 Complete each of the following :

a 250 000 + 25 = ...

b 20 000 + 2 = ...

c 6 + 800 000 + 900 = ...

d 28 000 + 140 = ...

e 773 thousand + 5 hundreds + 4 tens = ...

f 8 ones + 354 thousands + 4 tens = ...

g 450 045 = 45 + ...

h 200 020 = 20 + ...

i 78 245 = ... thousands + ... hundreds + ... tens + ... ones




1 Complete the following table :

	The Number	The value of the encircled digit	The place-value of the encircled digit
a	(7)88 125	....	....
b	1(4)9 896	....	....
c	223 (4)68	....	....
d	414 9(8)7	....	....
e	849 87(5)	....	....
f	81(0) 558	....	....
g	247 (0)28	....	....
h	310 23(4)	....	....
i	(6)95 580	....	....
j	4(7) 682	....	....
k	20 0(0)6	....	....
l	(8)7 967	....	....
m	66 3(4)7	....	....
n	2 (9)78	....	....
o	8 71(4)	....	....
p	4 7(0)9	....	....
q	(9) 999	....	....
r	2 05(8)	....	....

2 Write the value of the digit 7 in each of the following :

1) 645 697 : ....

2) 55 127 : ....

3) 868 720 : ....

4) 24 279 : ....

5) 570 569 : ....

6) 3 714 : ....

7) 221 378 : ....

8) 7 028 : ....

9) 750 008 : ....

10) 71 112 : ....

11) 987 698 : ....

12) 25 789 : ....

13) 555 702 : ....

14) 68 127 : ....

15) 983 987 : ....

16) 57 369 : ....

17) 072 : ....

18) 12 176 : ....

19) 7 298 : ....

20) 70 002 : ....

3 Write the place-value of the digit 4 in each of the following :

1) 136 124 : ....

2) 4 258 : ....

3) 868 417 : ....

4) 2 048 : ....

5) 248 123 : ....

6) 3 004 : ....

7) 798 247 : ....

8) 9 417 : ....

9) 114 816 : ....

10) 9 124 : ....

11) 411 152 : ....

12) 42 369 : ....

13) 4 368 : ....

14) 14 589 : ....

15) 1 248 : ....

16) 25 478 : ....

17) 412 : ....

18) 63 124 : ....

19) 354 : ....

20) 98 247 : ....

4 Complete each of the following :

1) 200 000 + 50 = ... 2) 60 000 + 6000 = ...

3) 500 000 + 3 = ... 4) 40 000 + 400 = ...

5) 600 000 + 800 = ... 6) 900 000 + 90 = ...

7) 150 000 + 15 = ... 8) 600 000 + 6 = ...

9) 300 000 + 30 = ... 10) 77 000 + 77 = ...

11) 58 058 = 58 + ... 12) 700 070 = 70 + ...

13) 122 568 = 568 + ...

14) 100 000 + 20 000 + 5 000 + 200 + 80 + 9 = ...

15) 30 000 + 6 000 + 800 + 30 + 2 = ...

16) 8 + 1 000 + 90 + 600 000 + 200 = ...

17) 90 + 900 000 + 9 = ...

18) 600 + 3 000 + 200 000 = ...

19) 288 thousands + 5 hundreds + 3 tens + 5 ones

= ....

20) 6 hundreds + 559 thousands + 3 ones = ...

21) 7 tens + 482 thousands + 3 ones = ...

22) 59 thousands + 2 tens = ...

23) 336 489 = ... thousands + ... hundreds + ... tens + ... ones

24) 50 287 = ... thousands + ... hundreds + ... tens + ... ones



Sheet 4

First Choose the correct answer

a) Twenty five thousand , four hundred and six = ...
(2 546 or 25 460 or 25 406)

b) 200 020 = 20 + ... (200 000 or 200 or 20)

c) 300 hundreds = ... thousands (3 or 30 or 300)

d) 360 + 36 = ... (36 036 or 3636 or 396)

e) The value of the digit 5 in the number 36 589 is ....
(5 000 or 500 or 50)

Second Complete the following

a) 200 000 + 90 000 + 4 000 + 200 + 70 + 6 = ...

b) The place-value of the digit 5 in the number 566 102 is ....

c) 9 tens + 5 ones + 377 thousands = ...

d) 98 thousand , 25 = ... (Standard form)

e) 230 090 (Word form) : ....

....

Third Answer the following

a) Write the value of the encircled digit in each of the following :

a) 523 51(2) : .... b) 366 (2)58 : ....

c) 2(5)6 023 : .... e) (1)00 236 : ....

e) 85 5(9)8 : .... f) 6 (1)28 : ....

g) (9)0 002 : .... h) 845 3(6)9 : ....

b) Write the place-value of the encircled digit in each of the following .

a) (3)60 258 : .... b) 6(9)0 003 : ....

c) 127 (0)28 : .... e) 118 (2)47 : ....

e) (6)5 987 : .... f) 58(3) 571 : ....

g) 89 2(3)0 : .... h) 28 91(4) : ....



Before and After

Example

The number 56 258 comes right after 56 257

The number that comes right after 56 258 is 56 259

Example

The number 336 999 comes right before 337 000

The number that comes right before 336 999 is 336 998

1 The number that comes right after :

a) 35 783 is ....
b) 68 029 is ....
c) 45 199 is ....
d) 315 099 is ....
e) 820 999 is ....
f) 699 999 is ....

2 The number that comes right before :

a) 370 689 is ....
b) 582 540 is ....
c) 700 000 is ....
d) 13 000 is ....
e) 50 000 is ....
f) 4 500 is ....

3 Complete the following table

	The number before	The number	The number after
a	....	56 099	....
b	....	100 000	....
c	....	8 206	....

4 Complete in the same pattern

a

25 000	25 010	....	25 030
25 040	....	....	25 070
25 080	25 090	....	....
....	....	25 140	....

The pattern ....

b

24 050	23 050	22 050	....
....	....	18 050	....
....	15 050	....	....
....	....	10 050	....

The pattern ....

c

543 200	553 200	563 200	....
....	....	603 200	....
....	633 200	....	....
....	....	683 200	....

The pattern ....

5 Complete:

a The number that comes right after 26 999 is ....

b The number that comes right before 300 000 is ....

c The number 6 528 comes right after ....

d The number 522 060 comes right before ....

e The number .... comes right before 50 080 .

f The number .... comes right after 2 125 .



1 The number that comes right after :

1) 925 366 :	2) 5 639 : ....
3) 415 029 :	4) 4 289 : ....
5) 510 989 :	6) 5 099 : ....
7) 623 299 :	8) 6 199 : ....
9) 810 399 :	10) 89 999 : ....
11) 315 999 :	12) 39 999 : ....
13) 170 999 :	14) 10 009 : ....
15) 959 999 :	16) 99 990 : ....
17) 139 999 :	18) 10 099 : ....
19) 99 999 :	20) 12 354 : ....

2 The number that comes right before :

1) 182 368 :	2) 1 000 : ....
3) 252 012 :	4) 2 100 : ....
5) 950 321 :	6) 3 900 : ....
7) 390 250 :	8) 5 230 : ....
9) 765 190 :	10) 6 780 : ....
11) 512 200 :	12) 5 000 : ....
13) 250 100 :	14) 20 000 : ....
15) 650 000 :	16) 56 111 : ....
17) 110 000 :	18) 22 001 : ....
19) 100 000 :	20) 31 201 : ....

3 Complete the following table

	The number before	The number	The number after
a	....	325 365	....
b	....	312 030	....
c	....	145 120	....
d	....	636 700	....
e	....	50 000	....
f	....	699 999	....
g	....	500 000	....
h	....	85 100	....
i	....	80 999	....
j	....	60 000	....
k	....	59 999	....
l	....	10 000	....
m	....	1 000	....
n	....	9 999	....
o	....	999	....
p	....	20 107	....

4 Complete in the same pattern

a

12 900	12 910	12 920	....
....	....	12 960	12 970
12 980	....	....	13 010
....	....	13 040	....

The pattern ....

b

5 260	5 250	5 240	....
....	5 210	....	....
5 180	....	....	5 150
....	5 130	5 120	....

The pattern ....

c

67 500	....	67 700	67 800
67 900	....	....	68 200
....	68 400	68 500	....
68 700	....	....	....

The pattern ....

d

....	37 900	37 800	....
37 600	....	....	37 300
....	37 100	37 000	....
36 800	36 700	....	....

The pattern ....

e

5 000	6 000	....	....
9 000	....	....	12 000
....	....	15 000	....
17 000	....	....	20 000

The pattern ....

f

57 020	56 020	55 020	....
53 020	....	....	50 020
....	48 020	....	....
....	....	43 020	....

The pattern ....

g

200 000	211 000	222 000	....
....	....	....	277 000
288 000	....	310 000	....
332 000	....	....	365 000

The pattern ....

5 Complete :

1) The number that comes right after 366 258 is ....

2) The number that comes right after 70 999 is ....

3) The number that comes right after 999 is ....

4) The number that comes right before 155 000 is ....

5) The number that comes right before 22 100 is ....

6) The number that comes right before 2 500 is ....

7) The number 355 025 comes right after ....

8) The number 16 000 comes right after ....

9) The number 8 023 comes right after ....

10) The number 99 999 comes right before ....

11) The number 100 099 comes right before ....

12) The number 5 236 comes right before ....

13) The number .... comes right after 599 999 .

14) The number .... comes right after 11 009 .

15) The number .... comes right after 7 123 .

16) The number .... comes right before 80 200 .

17) The number .... comes right before 133 022 .

18) The number .... comes right before 1 500 .



First Choose the correct answer

a) The number that comes right after 255 099 is ....
(266 000 or 255 199 or 255100)

b) 30 + 0 + 0 + 0 + 4 = ... (300 004 or 34 or 304)

c) 20 thousands = ...hundreds (2 000 or 200 or 20)

d) 5 ones + 75 thousands = ... (75 005 or 75 500 or 75 050)

e) The value of the digit 9 in the number 82 914 is ....
(90 000 or 9 000 or 900)

Second Complete the following

a) The number 78 023 comes right before ....

b) 60 + 50 000 + 400 + 8 + 9 000 + 700000 = ...

c) The place-value of the digit 5 in the number 5 123 is ....

d) 22 500 , 22 600 , 22 700 , ... , ... , ...

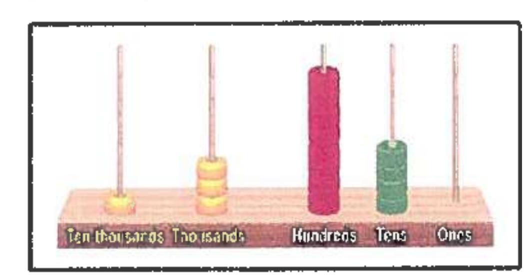
e) 40 011 (Word form) : ....

Third Answer the following

a) Match :

5 thousands + 5 ones	50 050
50 thousands + 5 tens	500 005
5 thousands + 5 tens	5 005
500 thousands + 5 ones	5 050

b) Write the number shown on the abacus:



Standard form : ....

Word form : ....

....

....

LESSON 6 Comparing Two Numbers

1 The largest number formed from

a) 4 digits is ....
b) 4 same digits ....
c) 4 different digits ....
d) 5 digits is ....
e) 5 same digits ....
f) 5 different digits ....
g) 6 digits is ....
h) 6 same digits ....
i) 6 different digits ....

2 The smallest number formed from

a) 4 digits is ....
b) 4 same digits ....
c) 4 different digits ....
d) 5 digits is ....
e) 5 same digits ....
f) 5 different digits ....
g) 6 digits is ....
h) 6 same digits ....
i) 6 different digits ....

3 Complete using < , = or > :

a) 45 658 ☐ 62 021
b) 650 023 ☐ 650 009
c) 100 101 ☐ 88 017
d) 78 569 ☐ 79 003
e) 288 119 ☐ 288 109
f) 54 002 ☐ 54 200
g) 35 thousands + 45 ☐ 35 450
h) 200 thousands + 8 hundreds ☐ 208 000
i) 50 000 + 400 + 3 ☐ 50 043
j) 60 + 600 ☐ Sixty thousand and six hundred

4 Complete the following :

a) The largest 5-digit number is ....

b) The largest number formed from 5 different digits is ....

c) The largest number formed from 5 same digits is ....

d) The smallest 4-digit number is ....

e) The smallest number formed from 4 different digits is ....

f) The smallest number formed from 4 same digits is ....

g) The largest number formed from the digits :

(5 , 8 , 3 ,7 and 4) is ....

h) The smallest number formed from the digits :

(4 , 1 , 6 and 9) is ....

i) The largest 5 - digit - number formed from the digits :

(3 ,8 and 4) is ....

j) The smallest 4 - digit - number formed from the digits :

(5 and 8) is ....



1 Complete using < , = or > :

a) 345 123 ☐ 600 201
b) 788 250 ☐ 788 520
c) 441 002 ☐ 441 020
d) 99 999 ☐ 100 010
e) 90 909 ☐ 99 090
f) 5 628 ☐ 5 268

g) 25 268 ☐ 17 268
h) 36 159 ☐ 36 159
i) 39 020 ☐ 39 200
j) 6 302 ☐ 60 020
k) 12 000 ☐ 10 200
l) 77 020 ☐ 77 202

m) 200 000 + 20 000 + 3 000 + 200 + 10 + 7 ☐ 223 217
n) 5 + 20 + 300 + 7 000 + 60 000 ☐ 52 376
p) 255 thousands + 2 hundreds + 7 ones ☐ 255 207
q) 5 tens + 7 thousands + 4 hundreds ☐ 7 405
r) Twenty thousand and twenty ☐ 2 020
s) Thirteen thousand, one hundred and three ☐ 13 013
t) The largest 5-digit number ☐ 99 099
u) The smallest 6-different-digit number ☐ 123 456
v) 500 000 + 50 000 + 500 + 5 ☐ 555 005
w) 3600 + 36 ☐ 360 036

2 Complete: The largest :

- a 4-digit number is ....
- b 5-digit number is ....
- c 6-digit number is ....
- d 4-different-digit number is ....
- e 5-different-digit number is ....
- f 6-different-digit number is ....
- g 4-same-digit number is ....
- h 5-same-digit number is ....
- i 6-same-digit number is ....

---

3 Complete: The smallest :

- a 4-digit number is ....
- b 5-digit number is ....
- c 6-digit number is ....
- d 4-different-digit number is ....
- e 5-different-digit number is ....
- f 6-different-digit number is ....
- g 4-same-digit number is ....
- h 5-same-digit number is ....
- i 6-same-digit number is ....

4 The largest number formed from the digits:

a (5 , 8 , 6 , 2 , 7 and 3) is ....

b (7 , 4 , 2 , 9 , 1 and 5) is ....

c (9 , 3 , 6 and 4) is ....

d (6 , 9 , 0 , 4 and 1) is ....

e (8 , 2 , 4 , 0 and 7) is ....

f (2 , 7 , 0 and 3) is ....

5 The smallest number formed from the digits:

a (6 , 2 , 5 and 9) is ....

b (7 , 8 , 0 and 4) is ....

c (2 , 0 , 6 and 3) is ....

d (7 , 9 , 0 , 6 and 1) is ....

e (9 , 2 , 7 , 8 , 3 and 5) is ....

f (4 , 1 , 0 , 7 , 6 and 9) is ....

6 The largest and the smallest 5–digit number formed from the digits:

a (3 , 2 , 7 and 9) is .... , ...

b (3 , 2 and 9) is .... , ...

c (8 and 3) is .... , ...

7 The largest and the smallest 6–digit number formed from the digits:

a (2 , 6 and 3) is .... , ...

b (9 , 2 , 6 and 1) is .... , ...

c (3 and 8) is .... , ...



First Choose the correct answer

a The largest number formed from 5 - different digits is ....

(99 999 or 98 765 or 10 234)

b 720 072 = 72 + ... (7200 or 72 or 720 000)

c The value of the digit 8 in the number 528 635 is ....

(80 000 or 8 000 or 800)

d 45 hundreds = ... (45 00 or 45 000 or 450)

e 15 thousands + 9 ones + 3 hundreds + 8 tens = ...

(15 389 or 15 938 or 15 3 98)

Second Complete the following

a Eighteen thousand and eighteen (Standard form) : ....

b The smallest 6-digit number formed from the digits :

(5 , 2 and 7) is ....

c The smallest 5-different digit number is ....

d The place-value of the digit 6 in the number 54 632 is ....

e 72 368 = ... + ... + ... + ... + ...

Third Answer the following

Complete using < , = or > :

(a) 556 321 ☐ 536 321 (b) 811 003 ☐ 811 003

(c) 9 602 ☐ 9 062 (d) 7 042 ☐ 7 402

(e) 83 thousand + 3 ones + 6 tens ☐ 83 063

(f) The smalles 5-digit number ☐ 9 999

(g) 5 + 20 + 300 + 7 000 + 80 000 ☐ 52 378

LESSON 7 Arranging th numbers

The ascending order

From the **smallest** number to the **greatest** number

The descending order

From the **greatest** number to the **smallest** number

Arrange each group of the following numbers in an ascending order and in a descending order :

1. 233 518 , 885 359 , 569 125 , 100 258 , 445 036

The ascending order :

.... , ... , ... , ... , ...

The descending order :

.... , ... , ... , ... , ...

---

2. 8 526 , 8 625 , 8 256 , 8 562 , 8 265

The ascending order :

.... , ... , ... , ... , ...

The descending order :

.... , ... , ... , ... , ...

---

3. 50 050 , 50 500 , 55 000 , 50 555 , 55 055

The ascending order :

.... , ... , ... , ... , ...

The descending order :

.... , ... , ... , ... , ...





Arrange each group of the following numbers in an ascending order and in a descending order :

1 45 368 , 21 789 , 98 102 , 78 023 , 62 039

The ascending order :

.... , ... , ... , ... , ...

The descending order :

.... , ... , ... , ... , ...

---

2 32 023 , 98 123 , 75 023 , 54 987 , 20 368

The ascending order :

.... , ... , ... , ... , ...

The descending order :

.... , ... , ... , ... , ...

---

3 500 368 , 500 638 , 500 863 , 500 386 , 500 683

The ascending order :

.... , ... , ... , ... , ...

The descending order :

.... , ... , ... , ... , ...

---

4 700 064 , 700 406 , 700 604 , 700 046 , 700 460

The ascending order :

.... , ... , ... , ... , ...

The descending order :

.... , ... , ... , ... , ...

5 5 023 , 9 120 , 5 320 , 9 012 , 7 002

The ascending order :

.... , ... , ... , ... , ...

The descending order :

.... , ... , ... , ... , ...

6 166 451 , 166 154 , 166 541 , 166 415 , 166 145

The ascending order :

.... , ... , ... , ... , ...

The descending order :

.... , ... , ... , ... , ...

7 15 501 , 15 105 , 15 015 , 15 150 , 15 510

The ascending order :

.... , ... , ... , ... , ...

The descending order :

.... , ... , ... , ... , ...

8 40 050 , 40 005 , 45 000 , 40 500 , 40 550

The ascending order :

.... , ... , ... , ... , ...

The descending order :

.... , ... , ... , ... , ...

9 8 000 , 1 800 , 18 000 , 1 008 , 10 008

The ascending order :

.... , ... , ... , ... , ...

The descending order :

.... , ... , ... , ... , ...



Sheet 7

First Choose the correct answer

a) 5 ones + 3 hundreds + 74 thousands + 8 tens = ...

(53 748 *or* 74 385 *or* 74 358)

b) Seventy five thousand and seventy five. ....

(7 575 *or* 75 750 *or* 75 075)

c) 500 + 0 + 0 + 3 = ... (50 003 *or* 503 *or* 53)

d) 1000 hundreds = ... (100 000 *or* 1000 *or* 10)

e) Eighty five thousand and eight = ...

(85 080 *or* 8 508 *or* 85 008)

Second Complete the following

a) The place-value of the digit 7 in the number 662 078 is ....

b) The number .... comes right after 500 999.

c) 25 012 , 25 022 , 25 032 , ... , ... , ...

d) The largest 5 - same - digit number is ....

e) 2 000 more than 21 900 is ....

Third Answer the following

a) Arrange the following numbers in an ascending order .

45 603 , 45 036 , 45 306 , 45 630 , 45 063

.... , ... , ... , ... , ...

b) Arrange the following numbers in a descending order .

50 500 , 5 050 , 50 005 , 5 500 , 50 050

.... , ... , ... , ... , ...

c) Write the smallest and the largest number formed from

(4 , 5 , 3 , 0 , 7 , 6)

The smallest number = ... The largest number = ...

d Complete using < , = or > :

5 023 ☐ 62 009 | 78 569 ☐ 79 003

10 101 ☐ 8 017 | 54 002 ☐ 54 20

20 thousands + 8 hundreds ☐ 28 000

60 + 600 ☐ Sixty thousand and sixty

e Write the number shown on the Abacus :

Ten-thousands Thousands Hundreds Tens Ones

STANDARD FORM ....

SHORT WORD FORM ....

WORD FORM ....

EXPANDED FORM ....

..... thousands + ... hundreds + ... tens+ .... ones

e Complete in the same pattern

57 020	56 020	55 020	....
53 020	....	....	50 020
....	48 020	....	....
....	....	43 020	....

The pattern ....



Addition

FIRST : Addition using the place-value strategy :

Example

To add : 3 567 + 1 521

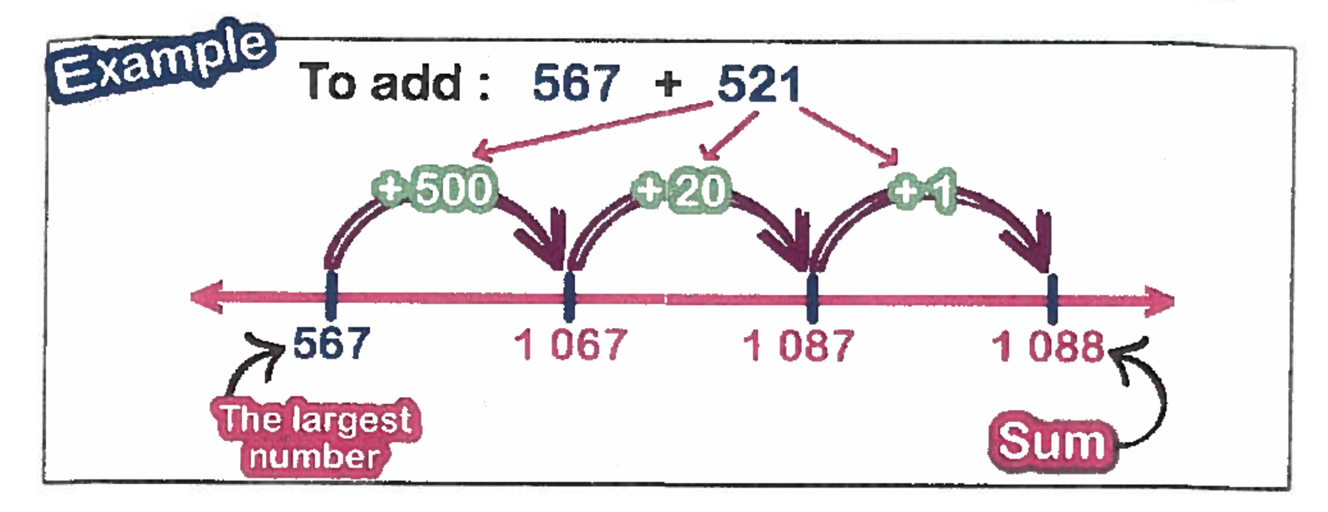
3 567	=	3 000	+	500	+	60	+	7		
1 521	=	1 000	+	500	+	20	+	1		
		4 000	+	1000	+	80	+	8	=	5 088 (Sum)

Solve the addition problems below using :

(The place-value strategy)

Problem	Work Space	Sum
567 + 321	.... + ... + ... + ... + ... ――――――――――― .... + ... + ...	......
6 237 + 1 582	.... + ... + ... + ... + ... + ... + ... ――――――――――― .... + ... + ... + ...	......
2 514 + 279	.... + ... + ... + ... + ... + ... ――――――――――― .... + ... + ... + ...	......

Second: Addition using the Number Line strategy :



Solve the addition problems below using :
(The number line strategy)

Problem	Work Space	Sum
567 + 321		......
6 237 + 1 582		......
2 514 + 279		......
2 481 + 503		......





1 Solve the addition problems below using :

(The place-value strategy)

	Problem	Work Space	Sum
a	253 + 124	.... + ... + ... + ... + ... ________________ .... + ... + ...	....
b	376 + 342	.... + ... + ... + ... + ... ________________ .... + ... + ...	....
c	128 + 439	.... + ... + ... + ... + ... ________________ .... + ... + ...	....
d	428 + 297	.... + ... + ... + ... + ... ________________ .... + ... + ...	....
e	108 + 692	.... + ... + ... + ... + ... ________________ .... + ... + ...	....

	Problem	Work Space	Sum
f	5 125 + 3 753	........+........+.......+....... ....+........+.......+....... ....+........+.......+.......	....
g	6 287 + 1 521	........+........+.......+....... ....+........+.......+....... ....+........+.......+.......	....
h	2 458 + 3 451	........+........+.......+....... ....+........+.......+....... ....+........+.......+.......	....
i	6 666 + 2 314	........+........+.......+....... ....+........+.......+....... ....+........+.......+.......	....
j	7 357 + 242	........+........+.......+....... ....+.......+....... ....+........+.......+.......	....
k	6 824 + 257	........+........+.......+....... ....+.......+....... ....+........+.......+.......	....

2 **Solve the addition problems below using :**

(The number line strategy)

	Problem	Work Space	Sum
a	356 + 243	+...... +...... +......	......
b	147 + 237	+...... +...... +......	......
c	124 + 773		......
d	257 + 212		......
e	624 + 421		......

	Problem	Work Space	Sum
f	3 125 + 4 234		....
g	3 561 + 2 533		....
h	4 258 + 3124		....
i	8 124 + 325		....
j	3 587 + 413		....



3 Find the sum of each of the following :

a
$$\begin{array}{r} 123 \\ +\ 245 \\ \hline \end{array}$$
....

b
$$\begin{array}{r} 325 \\ +\ 6 \\ \hline \end{array}$$
....

c
$$\begin{array}{r} 4778 \\ +\ 1889 \\ \hline \end{array}$$
....

d
$$\begin{array}{r} 126 \\ +\ 96 \\ \hline \end{array}$$
....

e
$$\begin{array}{r} 378 \\ +\ 281 \\ \hline \end{array}$$
....

f
$$\begin{array}{r} 999 \\ +\ 1 \\ \hline \end{array}$$
....

g
$$\begin{array}{r} 676 \\ +\ 156 \\ +\ 37 \\ \hline \end{array}$$
....

h
$$\begin{array}{r} 722 \\ +\ 278 \\ +\ 199 \\ \hline \end{array}$$
....

i
$$\begin{array}{r} 795 \\ +\ 6172 \\ +\ 1988 \\ \hline \end{array}$$
....

j $265 + 73 =$ ....

k $222 + 399 =$ ....

l $499 + 1 =$ ....

m $3369 + 455 =$ ....

n $4666 + 2254 =$ ....

o $2456 + 2487 =$ ....



Sheet 8

First Choose the correct answer

a The largest 6-different-digit number is ....

(999 999 *or* 987 654 *or* 123 456)

b 850 thousand , 58 = ... (85 058 *or* 8 585 *or* 850 058)

c 50 000 comes right after ..... (50 001 *or* 40 000 *or* 49 999)

d 250 025 = 25 + ... (250 000 *or* 250 *or* 2 500)

e The value of the digit 8 in the number 287 156 is ....

(80 000 *or* 8 000 *or* 80)

Second Complete the following

a The smallest number formed from the digits (5 , 8 , 3 , 0 , 7 , 4)

is ....

b 3 ones + 581 thousands + 8 tens = .

c The place-value of the digit 0 in the number 71 028 is ....

d The number that comes right after 99 999 is ....

e  , ... , ...

Third Answer the following

a Find the result :

① 4 568 + 512 = ...

② 8 002 + 1 527 = ...

③ 800 000 + 210 + 30 000 = ...

b Order the following numbers in an ascending order .

500 , 500 000 , 50 , 50 000 , 5 000

.... , ... , ... , ... , ...

c Add using the number line strategy :

(256 + 724 = ...)



Subtraction

FIRST : Subtraction using the place-value strategy :

Example Subtract : 789 - 247

Hundreds	Tens	Ones
5	4	2

Check

542 + 247

500 + 200 = 700
40 + 40 = 80
2 + 7 = 9

700 + 80 + 9 = 789

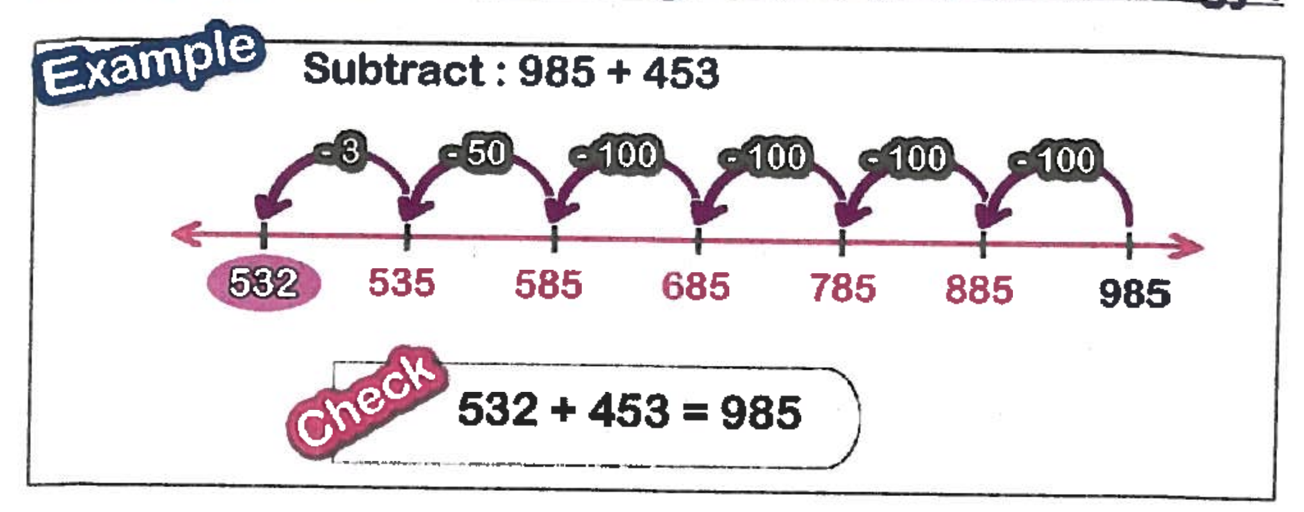
Solve the addition problems below using :
(The place-value strategy)

Subtraction Problems	Check
854 – 523 = ...	.... + ... = ...
780 – 450 = ...	.... + ... = ...
2 550 – 1 225 = ...	.... + ... = ...

Second: Subtraction using the number line strategy :

Example

Subtract : 985 + 453



Check 532 + 453 = 985

Solve the addition problems below using :

(The number line strategy)

Subtraction Problems	Check
853 - 532 =	
7 625 - 1 213 =	
5 328 - 416 =	





1 Solve the addition problems below using :

(The place-value strategy)

Subtraction Problems	Check
a 756 – 125 = …….	……. + ……. = …….
b 783 – 543 = …….	……. + ……. = …….
c 527 – 514 = …….	……. + ……. = …….
d 7 458 – 536 = …….	……. + ……. = …….
e 4 892 – 951 = …….	……. + ……. = …….

Subtraction Problems	Check
f 7 852 - 3 521 = ·······	······· + ······· = ······
g 5 321 - 5 210 = ·······	······· + ······· = ······
h 3 158 - 2 065 = ·······	······· + ······· = ······
i 4 321 - 301 = ·······	······· + ······· = ······
j 3 500 - 240 = ·······	······· + ······· = ······
k 9 105 - 550 = ·······	······· + ······· = ······

2 Solve the addition problems below using :

(The number line strategy)

Subtraction Problems	Check
a 753 - 241 =	
b 856 - 215 =	
c 777 - 253 =	
d 654 - 129 =	
e 654 - 294 =	

Subtraction Problems	Check
f 7 852 - 324 =	
g 9 529 - 283 =	
h 8 547 - 3 421 =	
i 6 542 - 2 217 =	
j 7 000 - 1 423 =	

3 Subtract :

a)
$$\begin{array}{r} 753 \\ -\ 245 \\ \hline \end{array}$$
....

b)
$$\begin{array}{r} 456 \\ -\ 321 \\ \hline \end{array}$$
....

c)
$$\begin{array}{r} 4978 \\ -\ 1889 \\ \hline \end{array}$$
....

d)
$$\begin{array}{r} 218 \\ -\ \ \ 5 \\ \hline \end{array}$$
....

e)
$$\begin{array}{r} 778 \\ -\ 281 \\ \hline \end{array}$$
....

f)
$$\begin{array}{r} 4997 \\ -\ 448 \\ \hline \end{array}$$
....

g)
$$\begin{array}{r} 705 \\ -\ 78 \\ \hline \end{array}$$
....

h)
$$\begin{array}{r} 1000 \\ -\ 1 \\ \hline \end{array}$$
....

i)
$$\begin{array}{r} 2708 \\ -\ 1378 \\ \hline \end{array}$$
....

j) 265 − 73 = ...

k) 622 − 399 = ...

l) 491 − 9 = ...

m) 3369 − 455 = ...

n) 4656 − 2264 = ...

o) 3086 − 2457 = ...



Sheet 9

First Choose the correct answer

a) Nine hundred thousand, ninety nine = ...

(999 000 *or* 900 990 *or* 900 099)

b) The value of the digit 5 in the number 259 024 is ....

(50 000 *or* 500 000 *or* 5 000)

c) 800 + 200 000 + 60 + 30 000 + 7 + 9 000 = ...

(826 379 *or* 239 867 *or* 237 896)

d) The number that comes right after 80 999 is ....

(81 000 *or* 90 999 *or* 80 100)

e) The smallest 5-diferent-dight number is ....

(12345 *or* 98 765 *or* 10 234)

Second Complete the following

a) 78 thousands + 8 hundreds + 5 ones + 7 tens = ...

b) The largest 6-digit - number is ....

c) 800 254 = 254 + ...

d) The place value of the digit 8 in the number 53 087 is ....

e) △ □ , △ □ , ... , ...

Third Answer the following

Use the number line strategy to find :

a) 459 + 262 = ...

b) 4 562 - 2 225 = ...





Word problems on addition and subtraction

1 The following table shows borrowing books from the library during the month of September.

Grade	P1	P2	P3	P4	P5
Books Borrowed	435	317	278	107	239

Answer the following quastions :

a How many books did students borrow from P1 and P2 grades together?

....

....

b How many books did students borrow from P3 , P4 and P5 grades together?

....

....

c How many more books have students borrowed from P5 grade than P4 grade?

....

....

d Which class borrowed the largest number of books?

....

....

2 Amirs' family is saving to buy a new TV. The TV costs 4 590 LE on sale. They have saved 2 410 LE so far.
How much more money do they need to buy the TV?

....

....

---

3 Omar just moved to the city. He found an apartment to rent for 3,340 LE per month.Electricity and gas will cost him 692 LE per month.
How much money will it cost him each month to live?

....

....

If Omar had 5,000 LE to spend each month,
how much money does he have left afterhe pays for rent, electricity and gas?

....

....

---

4 Mr. Mahmoud raises chickens. In the past two years, his chickens have laid 5,350 eggs. Last year his chickens laid 2,120 eggs.
How many eggs did his chickens lay two years ago?

....

....



1 The table below shows the number of students in each grade in a school . Use this information to answer the questions below.

Grade	P1	P2	P3	P4	P5
Number of students	354	371	478	203	139

Answer the following quastions :

a How many students are P1 and P4 all together?

....

....

b How many students are in P3 and P4 all together?

....

....

c How many more students in the P3 grade than in the P2 grade?

....

....

d What is the class with the largest number of students?

....

....

e Which class has the fewest students?

....

....

2 The following table shows the length of some of the worlds' longest rivers.
Use the information to answer the questions below.

River	Approximate length in Km
Nile	About 6 650 km
Amazon	About 6 400 km
Mississippi	About 3 775 km
Euphrates	About 2 800 km

a What is the longest river?

....

b What is the shortest river?

....

c What is the total length of the Mississippi River and the Amazon river together?

....

....

d What is the total length of the Euphrates River and the Nile river together?

....

....

e How many more kilometers is the Nile than the Euphrates?

....

....

3 Read each story problem and decide on a strategy to solve it.

a Amir's family is saving to buy a new TV. The TV costs 5 940 LE on sale. They have saved 4 210 LE so far.
How much more money do they need to buy the TV?

....

....

---

b Mr. Mahmoud raises chickens. In the past two years, his chickens have laid 5,350 eggs. Last year his chickens laid 2,120 eggs.
How many eggs did his chickens lay two years ago?

....

....

---

c Mr. Mahmoud also raises sheep. One day he took 235 sheep out to graze on a hill.
Later, his neighbor brought his sheep to the hillside to graze.
Now there are 680 sheep on the hill.
How many sheep did the neighbor bring to the hillside?

....

....

---

d The library can hold 2,475 books, but 525 books are out on loan and 137 books are missing.
How many books are there in the library right now?

....

....

....

e Omar just moved to the city. He found an apartment to rent for 3,340 LE per month.Electricity and gas will cost him 692 LE per month.
How much money will it cost him each month to live?

....

....

If Omar had 5,000 LE to spend each month,
how much money does he have left afterhe pays for rent, electricity and gas?

....

....

---

f Three boxes fi lled with books were just delivered to the library. If each box is fi lled with 215 books, how many books were delivered?

....

....

---

g A number has 5 Thousands, 7 Hundreds, 6 Tens, and 4 Ones. What number is it?

....

---

h A number has 12 Hundreds, 15 Tens, and 6 ones. What number is it?

....

4 Complete the following :

1) Twenty five thousand,six hundred and eleven = ... (Standard form)

2) 700 618 (Word form) : ....

3) 700 000 + 70 000 + 5 000 + 800 + 50 + 3 = ...

4) 98 thousand + 6 ones + 5 tens + 7 hundreds = ...

5) 70 + 0 + 0 + 4 = ...

6) 7 856 = ... + ... + ... + ...

7) 552 159 = ... tens + ... thousands + ... ones + ... hundreds

8) The number that comes right after 36 299 is ....

9) The number 700 250 comes right after ....

10) The number .... comes right after 899 999.

11) The number that comes right before 75 000 is ....

12) The number 3 156 comes right before ....

13) The number .... comes right before 15 200.

14) The place value of the digit 5 in the number 224 569 is ....

15) The place value of the digit 7 in the number 789 895 is ....

16) The value of the digit 7 in the number 79 159 is ....

17) The value of the digit 2 in the number 8 128 is ....

18) The largest 5-digit number is ....

19) The smallest 6-digit number is ....

20) The largest and the smallest number formed from the digits (7 , 2 , 0 ,6 and 3) are .... and ....

5 Choose the correct answer :

1) Seventy thousand and seventy = ...

(70 070 *or* 70 017 *or* 77 000)

2) 5 + 20 + 400 + 7 000 = ... (5 247 *or* 70 425 *or* 7 425)

3) 70 100 comes right after ...... (79 999 *or* 70 099 *or* 70 101)

4) ....comes right before 2 000 (1 999 *or* 2 001 *or* 1 099)

5) 20 thousand + 75 tens = ... (2 075 *or* 20 075 *or* 20 750)

6) 600 hundreds = ... (60 000 *or* 6 000 *or* 600000)

7) 8 000 tens = ...hundreds (800 *or* 8 000 *or* 80 000)

8) 30 000 = ...hundreds (30 *or* 300 *or* 3 000)

9) The largest 5 - different - digit number is ....

(98 765 *or* 99 999 *or* 10 234)

10) The smallest 6 - different - digit number is ....

(100 000 *or* 123 456 *or* 10 2345)

11) The largest 5 - same - digit number is ....

(99 999 *or* 98 756 *or* 9 999)

12) The smallest 4 - same - digit number is ....

(1 000 *or* 11 111 *or* 1 111)

13) The value of the digit 3 in the numbr 5 389 is ....

(3 000 *or* 300 *or* 30)

14) The value of the digit 8 in the number 877 624 is ....

(800 000 *or* 8 000 *or* 800)

15) The place-value of the digit 9 in the number 9 247 is ....

(Hundreds *or* Thousands *or* Ten-thousands)

16) The place-value of the digit 2 in the number 523 560 is ....

(Hundreds *or* Thousands *or* Ten-thousands)

6 **Use the following digits to find :** (3 , 5 , 0 , 4 , 7)

The largest number : ....

The smallest number : ....

7 **Use the following digits to find :** (8 , 5 , 4)

The largest 6-digit number : ....

The smallest 6-digit number : ....

8 **Complete using < , = or > :**

255 458 ☐ 667 102

155 258 ☐ 155 528

50 502 ☐ 50 205

45 000 + 45 ☐ 45 450

20 hundreds ☐ 2 000

3 + 500 + 2000 ☐ 3 520

45 thousands + 5 hundreds + 31 tens ☐ 45 810

The smallest 5-different-digit number ☐ 12 345

Ninety thousand and nine ☐ 900 009

9 **Match:**

30 thousands + 24 hundreds	3 240
3 000 + 200 + 40	3 024
30 000 + 24	32 400
Three thousand and twenty four	320 040
320 thousand , 40	30 024



Sheet 10

First Choose the correct answer

a The smallest 6-diferent -digit number is = ...

(100 000 *or* 123456 *or* 102345)

b Three hundred three thousand , three hundred and three

= ....

(303 303 *or* 300 033 *or* 330 303)

c the value of the digit 0 in the number 350 567 is ....

(10 000 *or* 1000 *or* 0)

d the number that comes right after 209 999 is ....

(300 000 *or* 209 998 *or* 210 000)

e 25 thousands + 6 ones + 7 hundreds + 9 tens = ...

(25 679 *or* 25 796 *or* 25 769)

Second Complete the following

a The greatest 6-digit number formed from the digits

(3 , 5 and 7) is = ...

b 250 250 = 250 + ...

c The place value of 0 in the number 405 612 is ....

d 8 tens + 502 thousands + 7 ones + 2 hundreds = ...

e ■○ , ■○ , ... , ...

Third Answer the following

a Find the result :

(1) 456 + 643 = ... (2) 4 020 - 129 = ...

b Arrange the following numbers in an ascending order .

10 000 , 999 , 50 000 , 200 , 6 000

.... , ... , ... , ... , ...

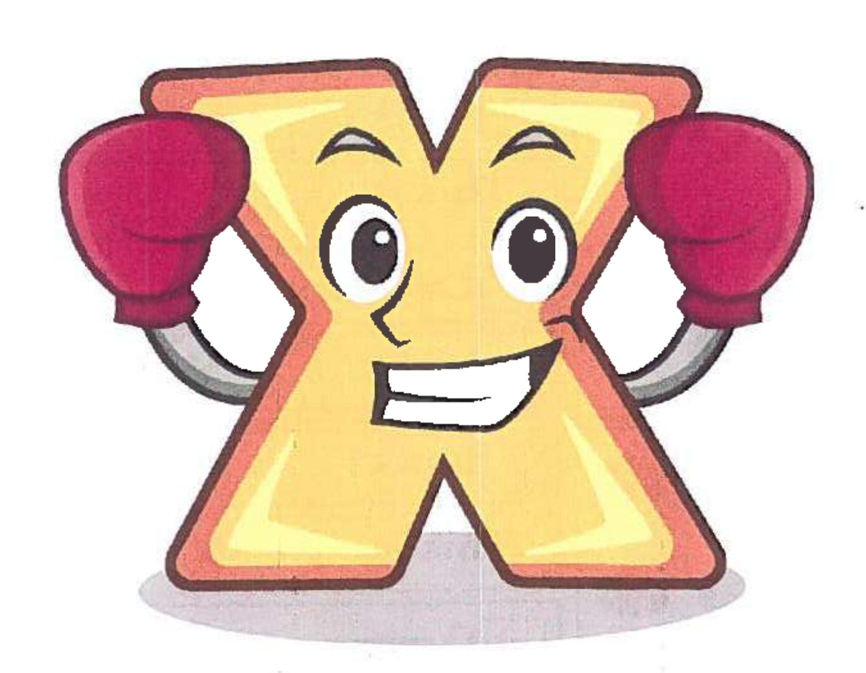
c Mona has LE 545 and Nada has LE 235 .

How much money do they have altogether ?

The have = ... + ... = LE ....

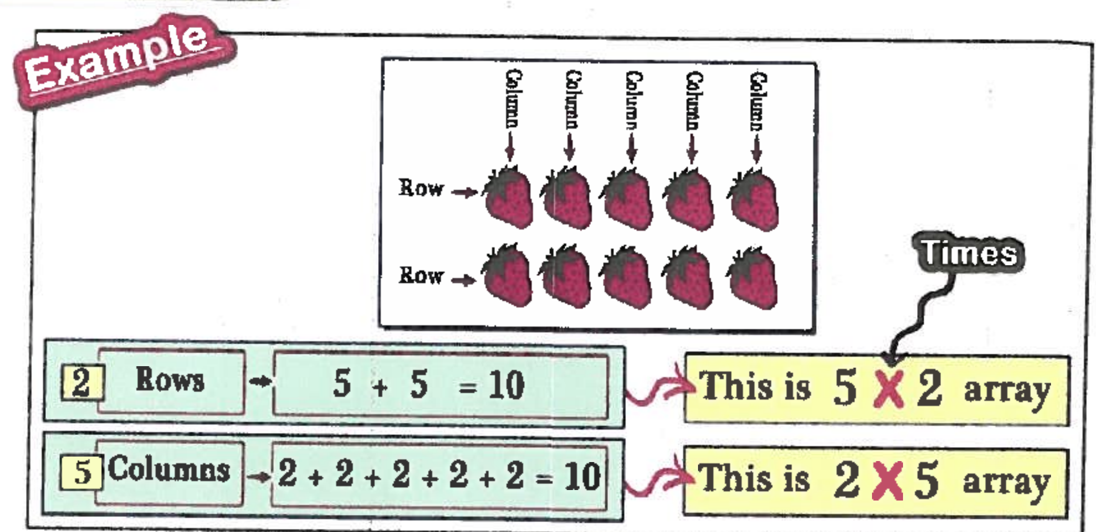


THREE



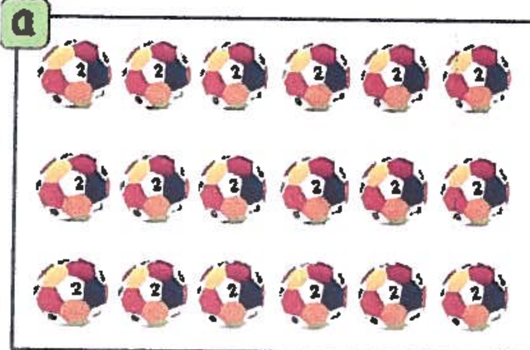
MULTIPLICATION

LESSON 1 The Arrays



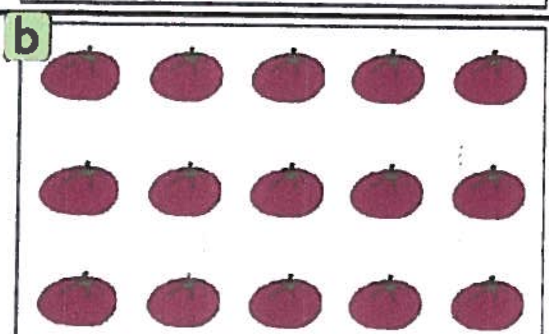
1 Complete the following arrays

a



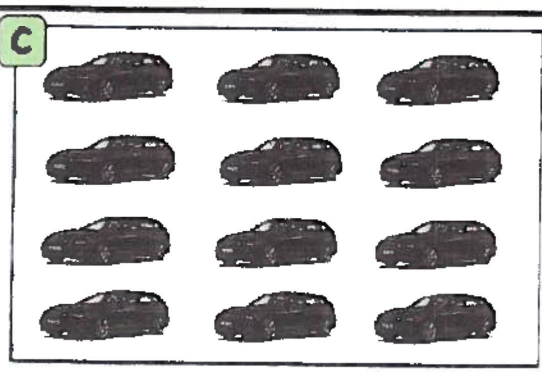
.... Rows : ....= ....
This is .... X .... array
.... Columns : ....= ....
This is .... X .... array

b



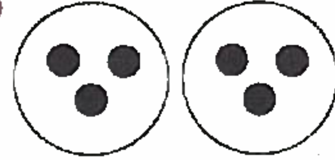
.... Rows : ....= ....
This is .... X .... array
.... Columns : ....= ....
This is .... X .... array

c



.... Rows : ....= ....
This is .... X .... array
.... Columns : ....= ....
This is .... X .... array



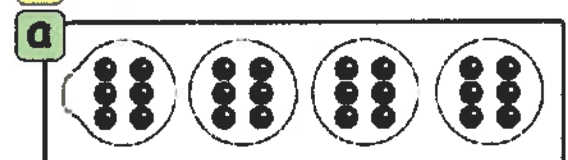




Repeated addition : 3 + 3 + 3 + 3 = 12

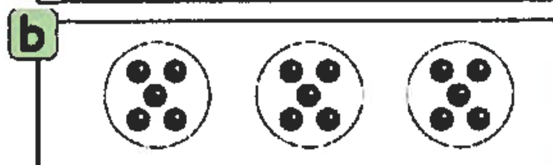
Multiplication : 3 X 4 = 12

2 Complete as in the example :

a


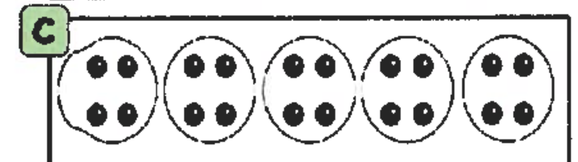
Repeated addition : ..... + ... + ... + ... = ...

Multiplication : ..... X ..... = ...

b


Repeated addition : ..... + ... + ... = ...

Multiplication : ..... X ..... = ...

c


Repeated addition : .... = ...

Multiplication : ..... X ..... = ...

3 Complete as in the example :

EX 5 + 5 + 5 + 5 + 5 + 5 = 30 so, 5 X 6 = 30 and 6 X 5 = 30

a 3 + 3 + 3 + 3 + 3 + 3 = ... so, ... X ... = ... and ... X ... = ...

b 4 + 4 + 4 + 4 + 4 = ... so, ... X ... = ... and ... X ... = ...

c 6 + 6 + 6 = ... so, ... X ... = ... and ... X ... = ...

d 2 + 2 + 2 + 2 = ... so, ... X ... = ... and ... X ... = ...

e 7 X 4 = ... + ... + ... + ... + ... + ... + ...

f 7 X 4 = ... + ... + ... + ...

g 5 X 8 = ... + ... + ... + ... + ...

h 3 X 6 = ... + ... + ... + ... + ... + ...



1 Complete the following arrays

a

.... Rows : ....= ....
This is .... X .... array
.... Columns : ....= ....
This is .... X .... array

b

.... Rows : ....= ....
This is .... X .... array
.... Columns : ....= ....
This is .... X .... array

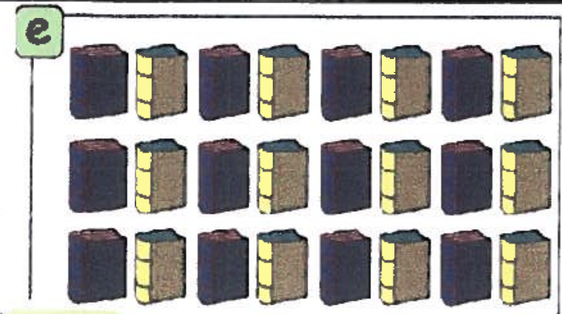
c

.... Rows : ....= ....
This is .... X .... array
.... Columns : ....= ....
This is .... X .... array

d

.... Rows : ....= ....
This is .... X .... array
.... Columns : ....= ....
This is .... X .... array

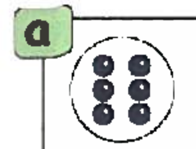
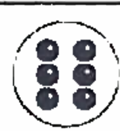
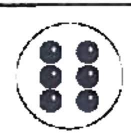
e



.... Rows : ....= ....
This is .... X .... array
.... Columns : ....= ....
This is .... X .... array

2 Complete :

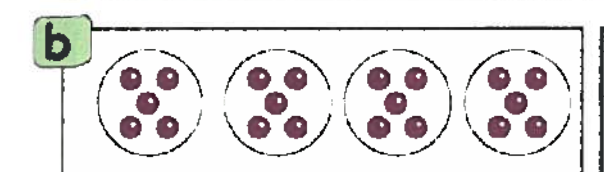
a

Repeated addition : ...... + ... + ... = ...

Multiplication : .... X .... = ...

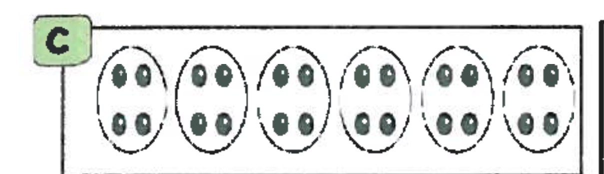
b



Repeated addition : .... + ... + ... + ... = ...

Multiplication : .... X .... = ...

c

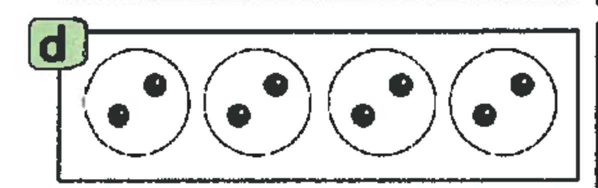


Repeated addition :

.... = ...

Multiplication : .... X .... = ...

d



Repeated addition :

.... = ...

Multiplication : .... X .... = ...

e

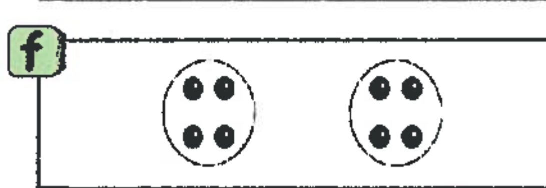


Repeated addition :

.... = ...

Multiplication : .... X .... = ...

f

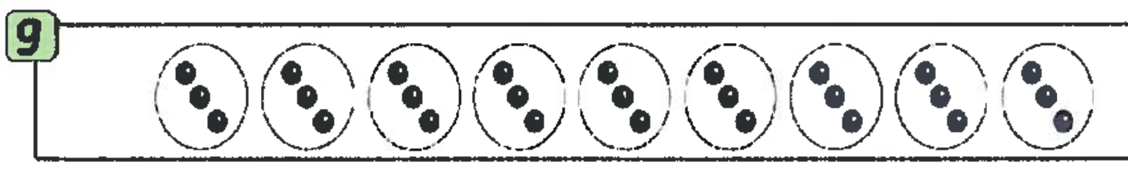


Repeated addition :

.... = ...

Multiplication : .... X .... = ...

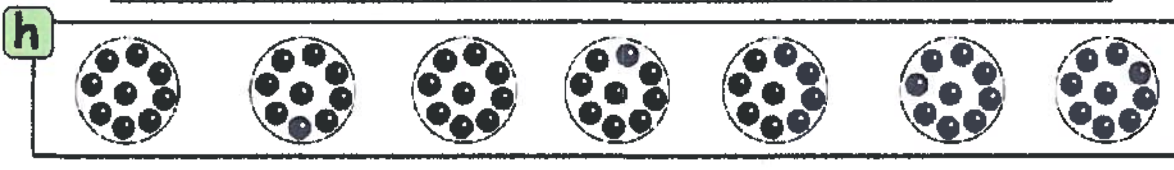
g



Repeated addition : .... = ...

Multiplication : .... X .... = ...

h



Repeated addition : .... = ...

Multiplication : .... X .... = ...

3 Complete :

a) 5 + 5 + 5 + 5 = ... so, ...X... = ... and ...X... = ...

b) 4 + 4 + 4 + 4 + 4 = ... so, ...X... = ... and ...X... = ...

c) 6 + 6 = ... so, ...X... = ... and ...X... = ...

d) 2 + 2 + 2 + 2 + 2 + 2 = ...

so, ...X... = ... and ...X... = ...

e) 3 + 3 + 3 + 3 + 3 = ... so, ...X... = ... and ...X... = ...

f) 5 + 5 + 5 = ... so, ...X... = ... and ...X... = ...

g) 1 + 1 + 1 + 1 + 1 = ... so, ...X... = ... and ...X... = ...

h) 7 + 7 = ... so, ...X... = ... and ...X... = ...

i) 8 + 8 + 8 = ... so, ...X... = ... and ...X... = ...

j) 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = ...

so, ...X... = ... and ...X... = ...

k) 5 X 4 = ... + ... + ... + ... + ...

l) 6 X 2 = ... + ... + ... + ... + ... + ...

m) 8 X 3 = ... + ... + ...

n) 6 X 5 = ... + ... + ... + ... + ...

o) 6 X 5 = ... + ... + ... + ... + ... + ...

p) 4 X 7 = ... + ... + ... + ... + ... + ... + ...

q) 4 X 7 = ... + ... + ... + ...

r) 5 X 5 = ... + ... + ... + ... + ...



First Choose the correct answer

a) The value of the digit 4 in the number 524 368 = ...
(4 000 or 40 000 or 400)

b) 6 + 6 + 6 + 6 = ... (6 X 6 or 6 X 4 or 6 + 4)

c) 500 + 0 + 0 + 5 = ... (500 005 or 50 005 or 505)

d) 3 X 4 = ... (3 + 3 + 3 or 4 + 4 + 4 or 3 + 4)

e) The number that comes right before 301 000 is ....
(300 000 or 301 001 or 300 999)

Second Complete the following

a) 15 tens + 120 hundreds = ...

b) 7 X 3 = ... + ... + ...

c) 4 + 4 + 4 + 4 + 4 + 4 + 4 = ... X ..... = ...

d) The smallest 5 - different - digit numberr is ....

e) 2 , 4 , 6 , 8 , 10 , ... , ... , ... , ...

Third Answer the following

a) Find the result :

(1) 456 + 218 = ... (2) 4 208 - 258 = ...

b) Arrange the following numbers in a descending order .

45 125 , 45 021 , 45 521 , 45 012 , 45 512

.... , ... , ... , ... , ...

c) The school band is getting ready for a concert.They practiced 115 minutes on Monday and 125 minutes on Tuesday.
How many minutes did the band practice on both days?

....



The Multipication table (2 & 3)

1 USE THE 120 CHART

Color the multiples of 2 and the multiples of 3 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the first 10 multiples of 2 :

....

....

b List the first 10 multiples of 3 :

....

....

c List all of the multiples you found that 2 and 3 share :

....

....

2 Complet the following :

a

2 X 0 = ...	2 X 6 = ...
2 X 1 = ...	2 X 7 = ...
2 X 2 = ...	2 X 8 = ...
2 X 3 = ...	2 X 9 = ...
2 X 4 = ...	2 X 10 = ...
2 X 5 = ...	

b

3 X 0 = ...	3 X 6 = ...
3 X 1 = ...	3 X 7 = ...
3 X 2 = ...	3 X 8 = ...
3 X 3 = ...	3 X 9 = ...
3 X 4 = ...	3 X 10 = ...
3 X 5 = ...	

3 Complet the following :

a) 2 X 8 = ...	b) 2 X 5 = ...	c) 3 X 7 = ...	d) 3 X 9 = ...
e) 6 X 2 = ...	f) 9 X 2 = ...	g) 4 X 3 = ...	h) 5 X 3 = ...

4 Complet the following :

a) 2 X ..... = 12

b) 4 X ..... = 12

c) 7 X ..... = 21

d) ..... X 9 = 18

e) ..... x 7 = 14

f) ..... X 3 = 9

g) 9 + 9 = ... X ..... = ...

h) 8 + 8 + 8 = ... X ..... = ...

i) 7 + 7 + 7 = ... X ... = ...

j) 10 + 10 = ... X ..... = ...

k) 24 = ... + ... + ... = ... X ...

l) 18 = ... + ... = ... X .....



1 Complete the multiplication table:

2 X 0 = ...	2 X 1 = ...	3 X 0 = ...	3 X 1 = ...
2 X 1 = ...	2 X 3 = ...	3 X 1 = ...	3 X 3 = ...
2 X 2 = ...	2 X 5 = ...	3 X 2 = ...	3 X 5 = ...
2 X 3 = ...	2 X 7 = ...	3 X 3 = ...	3 X 7 = ...
2 X 4 = ...	2 X 9 = ...	3 X 4 = ...	3 X 9 = ...
2 X 5 = ...	2 X 10 = ...	3 X 5 = ...	3 X 10 = ...
2 X 6 = ...	2 X 8 = ...	3 X 6 = ...	3 X 8 = ...
2 X 7 = ...	2 X 6 = ...	3 X 7 = ...	3 X 6 = ...
2 X 8 = ...	2 X 4 = ...	3 X 8 = ...	3 X 4 = ...
2 X 9 = ...	2 X 2 = ...	3 X 9 = ...	3 X 2 = ...
2 X 10 = ...	2 X 0 = ...	3 X 10 = ...	3 X 0 = ...

2 Complete:

2 X ..... = 2	2 X ...... = 0	3 X ...... = 3	3 X ...... = 0
2 X ..... = 20	2 X ...... = 8	3 X ...... = 21	3 X ..... = 9
2 X ..... = 4	2 X ...... = 16	3 X ...... = 6	3 X ..... = 18
2 X ..... = 18	2 X ...... = 2	3 X ...... = 30	3 X ..... = 27
2 X ..... = 6	2 X ...... = 10	3 X ...... = 9	3 X ..... = 3
2 X ..... = 16	2 X ...... = 18	3 X ...... = 27	3 X ..... = 12
2 X ..... = 8	2 X ...... = 4	3 X ...... = 12	3 X ..... = 21
2 X ..... = 14	2 X ...... = 12	3 X ...... = 24	3 X ..... = 30
2 X ..... = 10	2 X ...... = 20	3 X ...... = 15	3 X ..... = 6
2 X ..... = 0	2 X ...... = 6	3 X ...... = 0	3 X ..... = 15
2 X ..... = 12	2 X ...... = 14	3 X ...... = 18	3 X ..... = 24

3 Complete:

2 × 5 = ...	2 × 4 = ...	2 × 3 = ...	2 × 2 = ...	2 × 1 = ...
3 × 10 = ...	3 × 9 = ...	3 × 8 = ...	3 × 7 = ...	3 × 6 = ...
2 × 0 = ...	2 × 6 = ...	2 × 7 = ...	2 × 8 = ...	2 × 9 = ...
3 × 5 = ...	3 × 4 = ...	3 × 3 = ...	3 × 2 = ...	3 × 1 = ...

4 Match :

2 X 0	2 X 3	2 X 6	2 X 9
3 X 2	3 X 6	3 X 0	3 X 4

5 Complete :

a) 5 + 5 = ... X ..... = ...

b) 6 + 6 = ... X ..... = ...

c) 8 + 8 = ... X ..... = ...

d) 3 + 3 = ... X ..... = ...

e) 4 + 4 + 4 = ... X ..... = ...

f) 7 + 7 + 7 = ... X ..... = ...

g) 9 + 9 + 9 = ... X ..... = ...

h) 2 + 2 + 2 = ... X ..... = ...

6 Use the 120 char , to find :

a List the first 20 multiples of 2 :

....

....

b List the first 20 multiples of 3 :

....

....

c List the common multiples of 2 and 3

....

....

---

7 **Choose the correct answer :**

a 3 + 3 + 3 + 3 = ... (3 X 3 or 4 X 4 or 2 X 6)

b 6 + 6 = ... (6 X 6 or 3 X 4 or 2 X 2)

c 5 + 5 + 5 + 5 = ... (5 X 4 or 5 + 4 or 5 X 5)

d 8 + 8 + 8 = ... (3 + 8 or 12 + 12 or 8 X 8)

e 4 X 4 = ... (8 + 8 or 4 X 6 or 6 X 6)

f 4 + 6 = ... (2 + 5 or 10 X 2 or 2 X 5)

g 4 X 2 = ... (4 X 4 or 4 + 4 or 2 + 2)

h 9 + 9 = ... (3 X 3 X 3 or 6 + 6 or 6 X 3)



First Choose the correct answer

a) Two hundred thousand , two hundred and twenty = ...
(200 020 or 2 220 or 200 220)

b) 2 + 2 + 2 + 2 + 2 + 2 = ... (2 X 5 or 3 X 4 or 2 + 6)

c) 500 hundreds = ... tens (5 000 or 50 000 or 500 000)

d) 8 X 2 = ... (8 + 2 or 8 + 8 or 4 + 4)

e) The number that comes right after 200 999 is ....
(300 999 or 201 000 or 201 999)

Second Complete the following

a) The smallest 5-different- digit number is ....

b) 8 + 8 + 8 = 8 X ..... = ...

c) 4 X 3 = ... + ... = ...

d) The place value of the digit 3 in the number 356 202 is ....

e) 405 hundreds + 120 tens + 3 ones = ...

Third Answer the following

a) Use the number line strategy to find

(1) 432 + 145 = ...

(2) 428 - 215 = ...

b) Arrange the following numbers in an ascending order .

180 000 , 108 000 , 810 000 , 801 000 , 118 000

.... , ... , ... , ... , ...

c) list the first 5 multiples of the number 3 :

....

LESSON 3 The Multipication table (4 & 5)

1 USE THE 120 CHART

Color the multiples of 4 and the multiples of 5 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the first 10 multiples of 4 :

.... , ... , ... , ... , ...

.... , ... , ... , ... , ...

b List the first 10 multiples of 5 :

.... , ... , ... , ... , ...

.... , ... , ... , ... , ...

c List all of the multiples you found that 4 and 5 share :

....

....

2 Complet the following :

a

4 X 0 = ...	4 X 6 = ...
4 X 1 = ...	4 X 7 = ...
4 X 2 = ...	4 X 8 = ...
4 X 3 = ...	4 X 9 = ...
4 X 4 = ...	4 X 10 = ...
4 X 5 = ...	

b

5 X 0 = ...	5 X 6 = ...
5 X 1 = ...	5 X 7 = ...
5 X 2 = ...	5 X 8 = ...
5 X 3 = ...	5 X 9 = ...
5 X 4 = ...	5 X 10 = ...
5 X 5 = ...	

3 Complet the following :



a	b	c	d
5 X 8 = ...	5 X 5 = ...	4 X 7 = ...	4 X 9 = ...



e	f	g	h
6 X 5 = ...	9 X 5 = ...	4 X 4 = ...	4 X 5 = ...

4 Complet the following :

a 5 X ..... = 40

b 4 X ..... = 40

c 8 X ..... = 32

d ..... X 6 = 24

e ..... x 7 = 35

f ..... X 9 = 36

g 5 + 5 = ... X ..... = ...

h 4 + 4 + 4 = ... X ..... = ...

i 1 + 1 + 1 + 1 = ... X ... = ...

j 8 + 8 + 8 = 4 X ..... = ...

k 30 = ... + ... + ... = 5 X ...

l 28 = ... + ... + ... + ... = ... X .....



1 Complete the multiplication table:

4 X 0 = ...	4 X 1 = ...	5 X 0 = ...	5 X 1 = ...
4 X 1 = ...	4 X 3 = ...	5 X 1 = ...	5 X 3 = ...
4 X 2 = ...	4 X 5 = ...	5 X 2 = ...	5 X 5 = ...
4 X 3 = ...	4 X 7 = ...	5 X 3 = ...	5 X 7 = ...
4 X 4 = ...	4 X 9 = ...	5 X 4 = ...	5 X 9 = ...
4 X 5 = ...	4 X 10 = ...	5 X 5 = ...	5 X 10 = ...
4 X 6 = ...	4 X 8 = ...	5 X 6 = ...	5 X 8 = ...
4 X 7 = ...	4 X 6 = ...	5 X 7 = ...	5 X 6 = ...
4 X 8 = ...	4 X 4 = ...	5 X 8 = ...	5 X 4 = ...
4 X 9 = ...	4 X 2 = ...	5 X 9 = ...	5 X 2 = ...
4 X 10 = ...	4 X 0 = ...	5 X 10 = ...	5 X 0 = ...

---

2 Complete:

4 X ..... = 2	4 X ...... = 0	5 X ...... = 3	5 X ...... = 0
4 X ..... = 20	4 X ...... = 8	5 X ...... = 21	5 X ..... = 9
4 X ..... = 4	4 X ...... = 16	5 X ...... = 6	5 X ..... = 18
4 X ..... = 18	4 X ...... = 2	5 X ...... = 30	5 X ..... = 27
4 X ..... = 6	4 X ...... = 10	5 X ...... = 9	5 X ..... = 3
4 X ..... = 16	4 X ...... = 18	5 X ...... = 27	5 X ..... = 12
4 X ..... = 8	4 X ...... = 4	5 X ...... = 12	5 X ..... = 21
4 X ..... = 14	4 X ...... = 12	5 X ...... = 24	5 X ..... = 30
4 X ..... = 10	4 X ...... = 20	5 X ...... = 15	5 X ..... = 6
4 X ..... = 0	4 X ...... = 6	5 X ...... = 0	5 X ..... = 15
4 X ..... = 12	4 X ...... = 14	5 X ...... = 18	5 X ..... = 24

3 Complete:

5 X 5 = ...	5 X 4 = ...	5 X 3 = ...	5 X 2 = ...	5 X 1 = ...
4 X 10 = ...	4 X 9 = ...	4 X 8 = ...	4 X 7 = ...	4 X 6 = ...
5 X 0 = ...	5 X 6 = ...	5 X 7 = ...	5 X 8 = ...	5 X 9 = ...
4 X 5 = ...	4 X 4 = ...	4 X 3 = ...	4 X 2 = ...	4 X 1 = ...
...... X 5 = 30	4 X ...... = 36	4 X ...... = 20	...... X 5 = 20	5 X ..... = 35
5 X ..... = 15	..... X 4 = 40	5 X ..... = 45	..... X 4 = 28	..... X 5 = 0

4 Match :

4 + 4 + 4 + 4	8 + 8 + 8	6 + 6 + 6	10 + 10 + 10
9 + 9	2 X 8	5 X 6	4 X 6

5 Complete :

a) 4 + 4 + 4 + 4 + 4 = ... X ..... = ...

b) 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = ... X ..... = ...

c) 5 X 6 = ... + ... + ... = ...

d) 3 X 4 = ... + ... = ...

e) 8 + 8 + 8 + 8 + 8 = 4 X .... = ...

f) 4 + 4 + 4 + 4 = 2 X .... = ...

g) 5 X 4 = 2 X .... = ...

h) 4 X 6 = 3 X .... = ...

---

6 Use the 120 char , to find :

a) List the first 20 multiples of 4 :

......, ..., ..., ..., ..., ..., ..., ..., ..., ...

......, ..., ..., ..., ..., ..., ..., ..., ..., ...

b) List the first 20 multiples of 5 :

......, ..., ..., ..., ..., ..., ..., ..., ..., ...

......, ..., ..., ..., ..., ..., ..., ..., ..., ...

c) List the common multiples of 4 and 5 up to 50 :

....

....

d) List the common multiple of 2 , 3 and 4 up to 40 :

....

....

7 Choose the correct answer :

a) 5 + 5 + 5 + 5 = ... (5 X 5 or 4 X 4 or 5 X 4)

b) 8 + 8 + 8 = ... (8 x 3 or 8 + 3 or 8 x 8)

c) 6 + 6 + 6 + 6 = ... (6 x 4 or 6 x 6 or 6 + 4)

d) 8 x 2 = ... (8 + 2 or 8 + 8 or 8 x 8)

e) 9 + 9 = ... (9 X 9 or 9 X 2 or 6 X 3)

f) 6 + 6 = ... (6 x 2 or 6 X 6 or 6 + 2)

g) 4 X 4 = ... (8 X 2 or 1 X 6 or 3 X 5)

h) 2 X 5 ☐ 3 X 3 (< or = or >)

i) 5 + 5 + 5 ☐ 4 X 4 (< or = or >)

j) 8 + 8 + 8 ☐ 6 X 4 (< or = or >)

k) 9 + 9 + 9 ☐ 7 X 4 (< or = or >)

l) 5 X 6 = 3 X .... (5 or 10 or 6)

m) 8 + 8 + 8 + 8 + 8 = 4 X .... (8 or 5 or 10)

n) 6 + 6 + 6 + 6 = 3 X .... (8 or 6 or 4)



First Choose the correct answer

a) The smsllest 5-digit-number formed from the digits (2 and 5) is ……… (22 225 *or* 20 005 *or* 22 255)

b) 8 X 5 = ……… (5 + 8 *or* 4 X 10 *or* 40 + 40)

c) 6 + 6 + 6 = ……… (6 + 3 *or* 6 X 6 *or* 9 x 2)

d) The number that comes rigth after 49 099 is ……… (50 000 *or* 49 100 *or* 50 100)

e) 3 X 8 = ……… (3 + 3 + 3 *or* 8 + 8 + 8 + 8 *or* 6 + 6 + 6 + 6)

Second Complete the following

a) 700 tens + 500 hundreds + 200 ones = ……………

b) The place-value of the digit 5 in the number 824 568 is

c) 2 + 2 + 2 + 2 + 2 + 2 = 4 X ……….

d) 5 X 8 = ……… + ……… + ……… + ………

e) 200 000 + 5 000 + 20 = ……………

Third Answer the following

a) Find the result :

(1) 8 532 + 143 = ……….   (2) 8 562 - 157 = ……….

b) In the opposite array :

The number of rows = ……….

The number of columns = ……….

so , ……. X ……. = ……….



c) The sum of two numbers is 275. One of the numbers is 149. What is the other number?

……………………………………………………………………



The Multiplication table (6 & 7)

1 USE THE 120 CHART

Color the multiples of 6 and the multiples of 7 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the first 10 multiples of 6 :

............, ..., ..., ..., ...

............, ..., ..., ..., ...

b List the first 10 multiples of 7 :

............, ..., ..., ..., ...

............, ..., ..., ..., ...

c List the common multiples of 4 and 6 up to 60 :

....

....

2 Complet the following :

a

6 X 0 = ...	6 X 6 = ...
6 X 1 = ...	6 X 7 = ...
6 X 2 = ...	6 X 8 = ...
6 X 3 = ...	6 X 9 = ...
6 X 4 = ...	6 X 10 = ...
6 X 5 = ...	

b

7 X 0 = ...	7 X 6 = ...
7 X 1 = ...	7 X 7 = ...
7 X 2 = ...	7 X 8 = ...
7 X 3 = ...	7 X 9 = ...
7 X 4 = ...	7 X 10 = ...
7 X 5 = ...	

3 Complet the following :

7 X 8 = ...	5 X 7 = ...	6 X 8 = ...	6 X 9 = ...
6 X 7 = ...	7 X 5 = ...	6 X 6 = ...	4 X 6 = ...
6 X ...... = 12	7 X ...... = 49	6 X ...... = 18	7 X ...... = 14
6 X ...... = 30	7 X ...... = 21	6 X ...... = 12	7 X ...... = 35

4 **Complete in the same pattern :**

a 0 , 2 , 4 , 6 , 8 , ... , ... , ... , ... , ... , ...

b 0 , 4 , 8 , 12 , 16 , ... , ... , ... , ... , ... , ...

c 0 , 6 , 12 , 18 , 24 , ... , ... , ... , ... , ... , ...

d 0 , 7 , 14 , 21 , 28 , ... , ... , ... , ... , ... , ...

---

5 **Complete :**

a 7 + 7 + 7 + 7 = ... X ...... = ...

b 8 + 8 + 8 + 8 + 8 + 8 = ... X ...... = ...

c 8 X 7 = 7 X ...... = ...

d 9 + 9 + 9 + 9 = ... X 6 = ...

e 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 8 X ...... = ...

---

6 **Mr. Sameh gave 4 lollipops to each of his 8 students. How many lollipops did Mr. Sameh have at first?**





...... X ...... = ...

---

7 **How many eggs are there in the opposit carton?**



...... X ...... = ...



1 Complete the multiplication table:

6 X 0 = ...	6 X 1 = ...	7 X 0 = ...	7 X 1 = ...
6 X 1 = ...	6 X 3 = ...	7 X 1 = ...	7 X 3 = ...
6 X 2 = ...	6 X 5 = ...	7 X 2 = ...	7 X 5 = ...
6 X 3 = ...	6 X 7 = ...	7 X 3 = ...	7 X 7 = ...
6 X 4 = ...	6 X 9 = ...	7 X 4 = ...	7 X 9 = ...
6 X 5 = ...	6 X 10 = ...	7 X 5 = ...	7 X 10 = ...
6 X 6 = ...	6 X 8 = ...	7 X 6 = ...	7 X 8 = ...
6 X 7 = ...	6 X 6 = ...	7 X 7 = ...	7 X 6 = ...
6 X 8 = ...	6 X 4 = ...	7 X 8 = ...	7 X 4 = ...
6 X 9 = ...	6 X 2 = ...	7 X 9 = ...	7 X 2 = ...
6 X 10 = ...	6 X 0 = ...	7 X 10 = ...	7 X 0 = ...

2 Complete:

1 X ..... = 6	0 X ...... = 0	6 X ...... = 6	7 X ...... = 14
3 X ..... = 18	1 X ...... = 7	6 X ...... = 18	7 X ..... = 28
5 X ..... = 30	2 X ...... = 12	6 X ...... = 30	7 X ..... = 42
7 X ..... = 42	3 X ...... = 21	6 X ...... = 42	7 X ..... = 56
9 X ..... = 54	4 X ...... = 24	6 X ...... = 54	7 X ..... = 70
10 X ..... = 70	5 X ...... = 35	6 X ...... = 63	7 X ..... = 7
8 X ..... = 56	6 X ...... = 36	6 X ...... = 0	7 X ..... = 21
6 X ..... = 42	7 X ...... = 49	6 X ...... = 12	7 X ..... = 35
4 X ..... = 28	8 X ...... = 48	6 X ...... = 24	7 X ..... = 49
2 X ..... = 14	9 X ...... = 63	6 X ...... = 36	7 X ..... = 63
0 X ..... = 0	10 X ...... = 60	6 X ...... = 48	7 X ..... = 0

3 Complete:

6 × 7 = ...	6 × 9 = ...	6 × 5 = ...	6 × 4 = ...	6 × 8 = ...
7 × 4 = ...	7 × 3 = ...	7 × 6 = ...	7 × 5 = ...	7 × 2 = ...
7 × 1 = ...	6 × 0 = ...	7 × 8 = ...	6 × 6 = ...	7 × 7 = ...
.... × 5 = 35	.... × 8 = 48	..... × 4 = 36	..... × 3 = 21	..... × 9 = 72
7 × ..... = 70	8 × ..... = 56	10 × ..... = 60	6 × ..... = 36	5 × ..... = 40
5 × ..... = 30	4 × ..... = 24	2 × ..... = 17	..... × 8 = 16	..... × 9 = 27

4 Match :

3 X 4	3 X 6	3 X 8	4 X 9	4 X 4
2 X 9	2 X 6	2 X 8	4 X 6	6 X 6

5 Complete :

a) 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = ... X ..... = ...

b) 5 + 5 + 5 + 5 + 5 + 5 + 5 = ... X ..... = ...

c) 5 X 8 = ... + ... + ... + ... + ... = ...

d) 4 X 4 = ... + ... = ...

e) 7 + 7 + 7 + 7 + 7 = 5 X .... = ...

f) 4 + 4 + 4 + 4 = 2 X .... = ...

g) 5 X 8 = 4 X .... = ...

h) 6 X 6 = 4 X .... = ...

---

6 Use the 120 char , to find :

a) List the first 20 multiples of 6 :

......, ..., ..., ..., ..., ..., ..., ..., ..., ...

......, ..., ..., ..., ..., ..., ..., ..., ..., ...

b) List the first 20 multiples of 7 :

......, ..., ..., ..., ..., ..., ..., ..., ..., ...

......, ..., ..., ..., ..., ..., ..., ..., ..., ...

c) List the common multiples of 6 and 5 up to 50 :

....

....

d) List the common multiple of 3 , 4 and 6 up to 60 :

....

....

7 Choose the correct answer :

a. $5+5+5+5+5+5=$ ...... (5×6 or 6×6 or 5×5)

b. $8+8=$ .... (8×8 or $8+2$ or 4×4)

c. $6+6+6+6=$ .... (3×6 or 3×8 or $6+4$)

d. $8 \times 2=$ .... ($8+2$ or $8+8$ or 8×8)

e. $9+9+9+9+9+9=$ ...... (9×9 or $9+6$ or 6×9)

f. $6+6+6=$ ..... (9×2 or 6×6 or $6+3$)

g. $4 \times 4=$ .... (8×2 or 1×6 or 3×5)

h. 5×5 ☐ 3×8 ($<$ or $=$ or $>$)

i. $5+5+5+5$ ☐ 3×7 ($<$ or $=$ or $>$)

j. $8+8+8+8$ ☐ 9×4 ($<$ or $=$ or $>$)

k. $9+9+9+9$ ☐ 9×4 ($<$ or $=$ or $>$)

l. $5 \times 6= 3 \times$ .... (5 or 10 or 6)

m. $8+8+8=4 \times$ .... (8 or 6 or 10)

n. $6+6+6= 2 \times$ .... (9 or 6 or 4)

8 Complete in the same pattern :

a) 0 , 2 , 4 , 6 , 8 , ... , ... , ... , ... , ... , ...

b) 0 , 3 , 6 , 9 , 12 , ... , ... , ... , ... , ... , ...

c) 0 , 4 , 8 , 12 , 16 , ... , ... , ... , ... , ... , ...

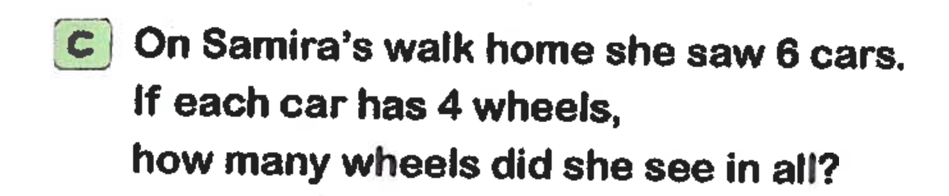
d) 0 , 5 , 10 , 15 , 20 , ... , ... , ... , ... , ... , ...

e) 0 , 6 , 12 , 18 , 24 , ... , ... , ... , ... , ... , ...

f) 0 , 7 , 14 , 21 , 28 , ... , ... , ... , ... , ... , ...

---

9 Answer the following :



c) On Samira's walk home she saw 6 cars.
If each car has 4 wheels,
how many wheels did she see in all?



...... X ...... = ...

---

d) Manal brought 6 bags of cookies to school. Each bag had 3 cookies in it.
How manycookies were there all together?



...... X ...... = ...

---

e) Malek runs 3 miles each day.
How many miles does he run in 7 days?



...... X ...... = ...

---

f) A bag of oranges holds 4 oranges.
How many oranges are in 8 bags?



...... X ...... = ...



First Choose the correct answer

(a) 560 thousands + 10 hundreds + 3 tens + 5 ones = ……… (560 135 or 561 035 or 56 135)

(b) 6 + 6 + 6 + 6 + 6 + 6 = ……… (6 + 6 or 6 x 5 or 4 X 9)

(c) 4 X 6 = 3 X ……… (6 or 8 or 9)

(d) 450 045 = 45 + ……… (450 000 or 4 500 or 450)

(e) The value of the digit 8 in the number 8 567 is ……… (80 000 or 800 000 or 8 000)

Second Complete the following

(a) 9 + 9 + 9 + 9 + 9 = …… X ……

(b) The greatest 4 - digit number is ……

(c) The number that comes right before 500 100 is ………

(d) 9 X 2 = …… + ……

(e) ☆ □ , ☆ □ , ☆ □ , ……………… , ………………

Third Answer the following

(a) Find the result :

(1) 7 852 + 148 = ………   (2) 7 005 - 155 = ………

(b) Arrange the following numbers in a descending order .

15 030 , 150 003 , 15 300 , 153 000 , 15 003

……… , ……… , ……… , ……… , ………

(c) It takes a rocket 7 seconds to travel one kilometer.

How many seconds will it take to travel 4 kilometers?

…… X …… = ……

(d) Each pack of pencils contains 8 pencils.

How many pencils are in 3 packs?

…… X …… = ……



The Multiplication Table (8 & 9)

1 USE THE 120 CHART

Color the multiples of 8 and the multiples of 9 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the first 10 multiples of 8 :

.... , ... , ... , ... , ...

.... , ... , ... , ... , ...

b List the first 10 multiples of 9 :

.... , ... , ... , ... , ...

.... , ... , ... , ... , ...

c List the common multiples of 6 and 9 up to 90 :

....

....

2 Complet the following :

a

8 X 0 = ...	8 X 6 = ...
8 X 1 = ...	8 X 7 = ...
8 X 2 = ...	8 X 8 = ...
8 X 3 = ...	8 X 9 = ...
8 X 4 = ...	8 X 10 = ...
8 X 5 = ...	

b

9 X 0 = ...	9 X 6 = ...
9 X 1 = ...	9 X 7 = ...
9 X 2 = ...	9 X 8 = ...
9 X 3 = ...	9 X 9 = ...
9 X 4 = ...	9 X 10 = ...
9 X 5 = ...	

3 Complet the following :

2 X 2 = ...	2 X 6 = ...	3 X 6 = ...	5 X 5 = ...
2 X 3 = ...	2 X 7 = ...	2 X 9 = ...	3 X 9 = ...
2 X 4 = ...	3 X 5 = ...	4 X 5 = ...	4 X 7 = ...
3 X 3 = ...	4 X 4 = ...	3 X 7 = ...	5 X 6 = ...
2 X 5 = ...	2 X 8 = ...	4 X 6 = ...	4 X 8 = ...
3 X 4 = ...	3 X 6 = ...	3 X 8 = ...	5 X 7 = ...

4 Complete in the same pattern :

a 30 , 27 , 24 , 21 , ... , ... , ... , ... , ... , ...

b 50 , 45 , 40 , 35 , ... , ... , ... , ... , ... , ...

c 70 , 63 , 56 , 49 , ... , ... , ... , ... , ... , ...

d 90 , 81 , 72 , 63 , ... , ... , ... , ... , ... , ...

---

5 Match each story problem to its multiplication equation.

a Mariam had 4 sweaters.
Each sweater had 3 buttons on it.
How many total buttons are there on all the sweaters?

$6 \times 6 = 36$

b Rana packed 6 boxes full of cans.
Each box had 6 cans.
How many total cans did Rana pack?

$3 \times 7 = 21$

c Amir hiked for 3 days over the summer. Each day he hiked 7 miles.
How many miles did he hike in all?

$4 \times 3 = 12$



1 Complete the multiplication table:

8 X 0 = ...	8 X 1 = ...	9 X 0 = ...	9 X 1 = ...
8 X 1 = ...	8 X 3 = ...	9 X 1 = ...	9 X 3 = ...
8 X 2 = ...	8 X 5 = ...	9 X 2 = ...	9 X 5 = ...
8 X 3 = ...	8 X 7 = ...	9 X 3 = ...	9 X 7 = ...
8 X 4 = ...	8 X 9 = ...	9 X 4 = ...	9 X 9 = ...
8 X 5 = ...	8 X 10 = ...	9 X 5 = ...	9 X 10 = ...
8 X 6 = ...	8 X 8 = ...	9 X 6 = ...	9 X 8 = ...
8 X 7 = ...	8 X 6 = ...	9 X 7 = ...	9 X 6 = ...
8 X 8 = ...	8 X 4 = ...	9 X 8 = ...	9 X 4 = ...
8 X 9 = ...	8 X 2 = ...	9 X 9 = ...	9 X 2 = ...
8 X 10 = ...	8 X 0 = ...	9 X 10 = ...	9 X 0 = ...

2 Complete:

1 X ..... = 9	0 X ...... = 0	8 X ...... = 0	9 X ..... = 9
3 X ..... = 27	1 X ...... = 8	8 X ...... = 16	9 X ..... = 27
5 X ..... = 45	2 X ...... = 16	8 X ...... = 32	9 X ..... = 45
7 X ..... = 63	3 X ...... = 24	8 X ...... = 48	9 X ..... = 63
9 X ..... = 81	4 X ...... = 32	8 X ...... = 64	9 X ..... = 81
10 X ..... = 90	5 X ...... = 40	8 X ...... = 80	9 X ..... = 0
8 X ..... = 72	6 X ...... = 48	8 X ...... = 8	9 X ..... = 18
6 X ..... = 54	7 X ...... = 56	8 X ...... = 24	9 X ..... = 36
4 X ..... = 36	8 X ...... = 64	8 X ...... = 40	9 X ..... = 54
2 X ..... = 18	9 X ...... = 72	8 X ...... = 56	9 X ..... = 72
0 X ..... = 0	10 X ...... = 80	8 X ...... = 72	9 X ..... = 90

6 Complete in the same pattern :

a 0 , 2 , 4 , 6 , ... , ..., ..., ..., ..., ..., ...

b 30 , 27 , 24 , 21 , ... , ..., ..., ..., ..., ..., ...

c 0 , 4 , 8 , 12 , ... , ..., ..., ..., ..., ..., ...

d 50 , 45 , 40 , 35 , ... , ..., ..., ..., ..., ..., ...

e 0 , 6 , 12 , 18 , ... , ..., ..., ..., ..., ..., ...

f 70 , 63 , 56 , 49 , ... , ..., ..., ..., ..., ..., ...

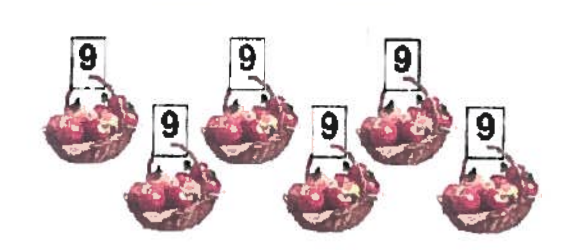
g 0 , 8 , 16 , 24 , ... , ..., ..., ..., ..., ..., ...

h 90 , 81 , 72 , 63 , ... , ..., ..., ..., ..., ..., ...

---

7 Anwer the following :

a There are 9 apples in each box.
How manyapples are in 6 boxes?



.... X .... = ...

---

b Eman has 2 boxes of oranges .
Each boxholds 5 oranges.
How many tickets does Eman have ?



.... X .... = ...

---

c There are 9 erasers in each box.
How many erasers are in 9 boxes?



.... X .... = ...



1 Complete the multiplication table:

8 X 0 = ...	8 X 1 = ...	9 X 0 = ...	9 X 1 = ...
8 X 1 = ...	8 X 3 = ...	9 X 1 = ...	9 X 3 = ...
8 X 2 = ...	8 X 5 = ...	9 X 2 = ...	9 X 5 = ...
8 X 3 = ...	8 X 7 = ...	9 X 3 = ...	9 X 7 = ...
8 X 4 = ...	8 X 9 = ...	9 X 4 = ...	9 X 9 = ...
8 X 5 = ...	8 X 10 = ...	9 X 5 = ...	9 X 10 = ...
8 X 6 = ...	8 X 8 = ...	9 X 6 = ...	9 X 8 = ...
8 X 7 = ...	8 X 6 = ...	9 X 7 = ...	9 X 6 = ...
8 X 8 = ...	8 X 4 = ...	9 X 8 = ...	9 X 4 = ...
8 X 9 = ...	8 X 2 = ...	9 X 9 = ...	9 X 2 = ...
8 X 10 = ...	8 X 0 = ...	9 X 10 = ...	9 X 0 = ...

2 Complete:

1 X ..... = 9	0 X ..... = 0	8 X ..... = 0	9 X ..... = 9
3 X ..... = 27	1 X ..... = 8	8 X ..... = 16	9 X ..... = 27
5 X ..... = 45	2 X ..... = 16	8 X ..... = 32	9 X ..... = 45
7 X ..... = 63	3 X ..... = 24	8 X ..... = 48	9 X ..... = 63
9 X ..... = 81	4 X ..... = 32	8 X ..... = 64	9 X ..... = 81
10 X ..... = 90	5 X ..... = 40	8 X ..... = 80	9 X ..... = 0
8 X ..... = 72	6 X ..... = 48	8 X ..... = 8	9 X ..... = 18
6 X ..... = 54	7 X ..... = 56	8 X ..... = 24	9 X ..... = 36
4 X ..... = 36	8 X ..... = 64	8 X ..... = 40	9 X ..... = 54
2 X ..... = 18	9 X ..... = 72	8 X ..... = 56	9 X ..... = 72
0 X ..... = 0	10 X ..... = 80	8 X ..... = 72	9 X ..... = 90

3 Complete:

2×2 = ...	2×7 = ...	3×7 = ...	4×8 = ...	6×8 = ...
2×3 = ...	3×5 = ...	3×8 = ...	5×7 = ...	7×7 = ...
2×4 = ...	4×4 = ...	4×6 = ...	6×6 = ...	6×9 = ...
3×3 = ...	2×8 = ...	5×5 = ...	4×9 = ...	7×8 = ...
2×5 = ...	3×6 = ...	3×9 = ...	5×8 = ...	7×9 = ...
2×6 = ...	2×9 = ...	4×7 = ...	6×7 = ...	8×8 = ...
3×4 = ...	4×5 = ...	5×6 = ...	5×9 = ...	9×9 = ...

4 Match :

9 X 4	9 X 2	6 X 4	6 X 2	4 X 4	5 X 8
3 X 8	6 X 6	3 X 6	4 X 10	3 X 4	2 X 8

5 Use the 120 char , to find :

a List the common multiples of 2 and 3 up to 30 :

....

....

b List the common multiples of 5 and 4 up to 40 :

....

....

c List the common multiples of 4 and 6 up to 60 :

....

....

d List the common multiples of 6 and 9 up to 60 :

....

....

e List the common multiples of 6 and 8 up to 80 :

....

....

6 Complete in the same pattern :

a) 0 , 2 , 4 , 6 , ... , ... , ... , ... , ... , ... , ...

b) 30 , 27 , 24 , 21 , ... , ... , ... , ... , ... , ... , ...

c) 0 , 4 , 8 , 12 , ... , ... , ... , ... , ... , ... , ...

d) 50 , 45 , 40 , 35 , ... , ... , ... , ... , ... , ... , ...

e) 0 , 6 , 12 , 18 , ... , ... , ... , ... , ... , ... , ...

f) 70 , 63 , 56 , 49 , ... , ... , ... , ... , ... , ... , ...

g) 0 , 8 , 16 , 24 , ... , ... , ... , ... , ... , ... , ...

h) 90 , 81 , 72 , 63 , ... , ... , ... , ... , ... , ... , ...

---

7 Anwer the following :



a) There are 9 apples in each box.
How manyapples are in 6 boxes?





.... × .... = ...

---

b) Eman has 2 boxes of oranges .
Each boxholds 5 oranges.
How many tickets does Eman have ?

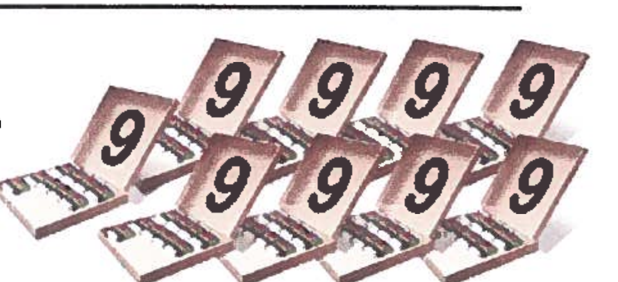




.... × .... = ...

---

c) There are 9 erasers in each box.
How many erasers are in 9 boxes?





.... × .... = ...

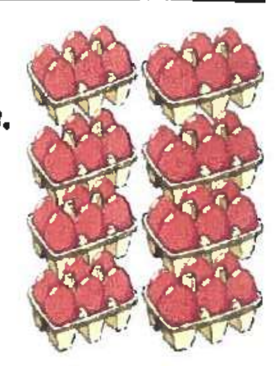
d Each peanut costs LE 5 .
How much do 7 peanuts cost?



.... X .... = ...

---

e Ahmed went to the store 8 times last month.
He buys 6 eggs each time he goes to the store.
How many eggs did Ahmed buy last month?



.... X .... = ...

---

f Each child has 7 bananas.
If there are 7children,
how many bananas are there in total?



.... X .... = ...

---

g Each child has 8 crayons.
If there are 8 children,
how many crayons are there intotal?



.... X .... = ...

---

h Each box of cookies costs LE 6.
How much do 5 boxes cost?



.... X .... = ...







Sheet 5

First — Choose the correct answer

a 8 + 8 + 8 + 8 + 8 + 8 + 8 = ... (7 X 8 *or* 8 + 7 *or* 8 X 8)

b 6 X 5 ☐ 10 + 10 + 10 ($<$ *or* $=$ *or* $>$)

c The smallest 5-digit number is .... (10 000 *or* 12 345 *or* 10 234)

d 10 000 + 55 000 + 1 000 = ... (65 100 *or* 155 100 *or* 66 000)

e The number 63 000 comes right after ....

(63 001 *or* 62 999 *or* 63 999)

Second — Complete the following

a 9 + 9 + 9 + 9 = 6 X ....

b 370 037 = 37 + ...

c The place value of the digit 6 in the number 98 625 is ....

d 75 thousands + 50 tens + 12 ones = ...

e 60 , 54 , 48 , 42 , 36 , ... , ... , ... , ...

Third — Answer the following

a Find the result :

(1) 8 500 + 1 500 = ... (2) 7 000 - 4 500 = ...

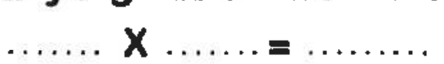
b Arrange the following numbers in an ascending order .

45 450 , 45 045 , 45 504 , 45 054 , 45 405

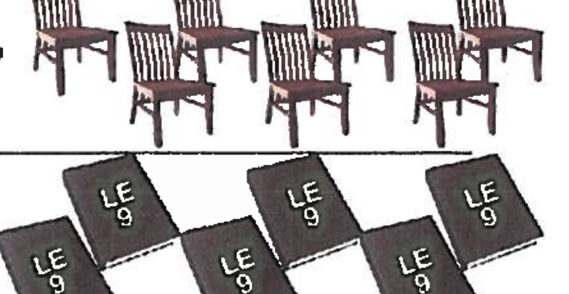
.... , ... , ... , ... , ...

c Each chair has 4 legs .

How many legs do 7 chairs have ?



.... X .... = ...



d Each book costs LE 9 .



How much do 6 books costs ?

.... X .... = ...





Multiplication Strategy

(Multiplying by 9)



(1) Finger Trick Strategy :

Example : 9 X 6



Number your fingers from left hand to right hand (1-10.)





Starting on the left . count until you get to the 6th finger



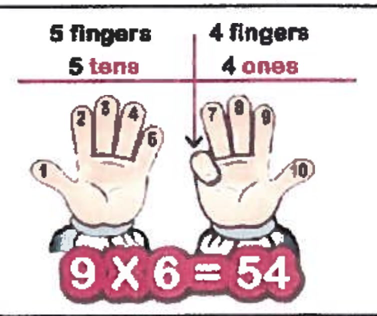


Put that finger under.
This is the division between the tens and the ones now.



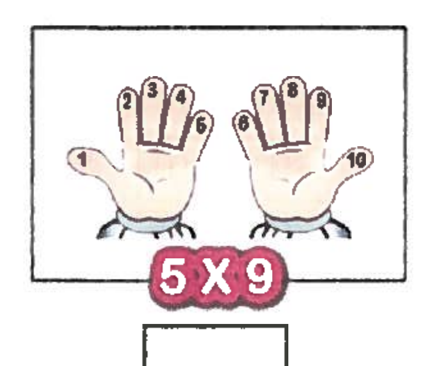


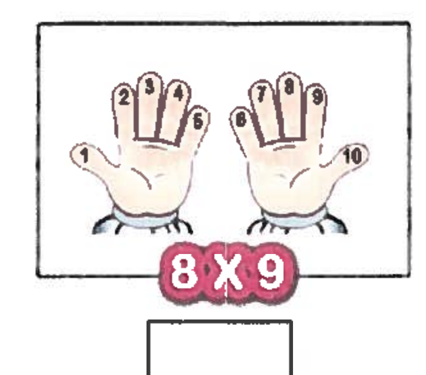
Count how many are on the left in the tens, and how many are on the right of the down finger and these are the ones.

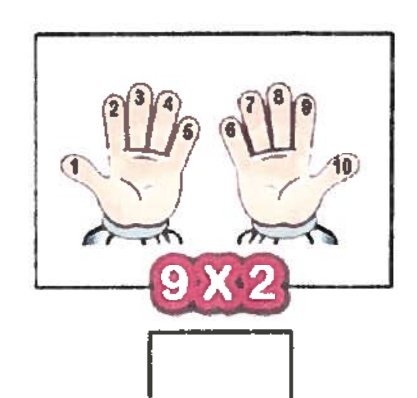




1 Use the finger trick strategy to find :







(2) List of equation strategy :

1	X	9	=	9	0 + 9 = 9
2	X	9	=	18	1 + 8 = 9
3	X	9	=	27	2 + 7 = 9
4	X	9	=	36	3 + 6 = 9
5	X	9	=	45	4 + 5 = 9
6	X	9	=	54	5 + 4 = 9
7	X	9	=	63	6 + 3 = 9
8	X	9	=	72	7 + 2 = 9
9	X	9	=	81	8 + 1 = 9
10	X	9	=	90	9 + 0 = 9

(3) 120 chart strategy :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

(4) Tens fact strategy :

Example

To find : 9 X 6:

Draw a model of 10 X 6 then cross one group of 6:

6	6	6	6	6	6	6	6	6	~~6~~

9 X 6 = (10 X 6) - 6 = 54

2 Use the Ten fact strategy to find :



9 X 7



9 X 7 = (10 X 7) – 7 = ... – ..... = ...



9 X 5



9 X 5 = (.....X.....) –..... = ... – ..... = ...

c 9 X 8



9 X 8 = (.....X.....) –..... = ... – ..... = ...

d 9 X 3



9 X 3 = (.....X.....) –..... = ... – ..... = ...



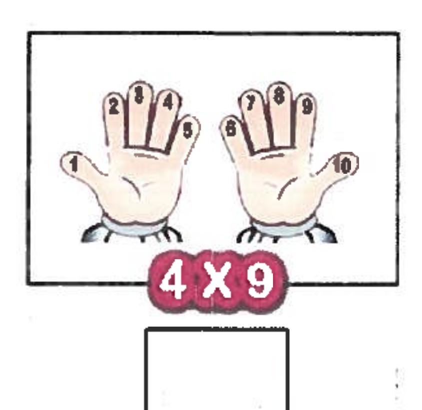
1 Complete:

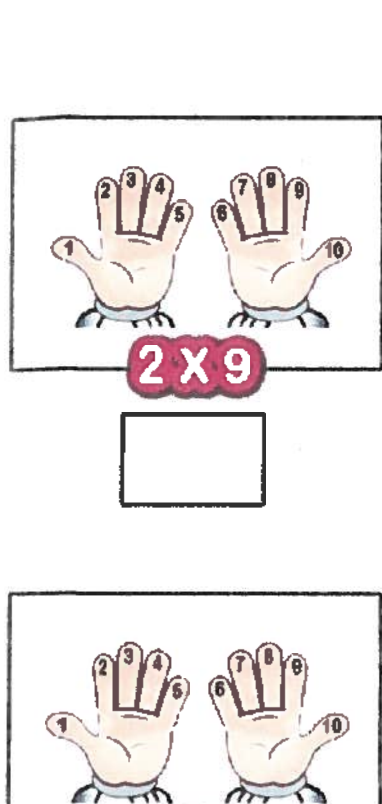
2 X 2 = ...	2 X 3 = ...	2 X 4 = ...
3 X 3 = ...	2 X 5 = ...	3 X 4 = ...
2 X 6 = ...	2 X 7 = ...	3 X 5 = ...
4 X 4 = ...	2 X 8 = ...	3 X 6 = ...
2 X 9 = ...	4 X 5 = ...	3 X 7 = ...
4 X 6 = ...	3 X 8 = ...	5 X 5 = ...
3 X 9 = ...	4 X 7 = ...	5 X 6 = ...
4 X 8 = ...	5 X 7 = ...	4 X 9 = ...
6 X 6 = ...	5 X 8 = ...	6 X 7 = ...
5 X 9 = ...	6 X 8 = ...	7 X 7 = ...
6 X 9 = ...	7 X 8 = ...	8 X 8 = ...
7 X 9 = ...	8 X 9 = ...	9 X 9 = ...
2 X .... = 4	6 X .... = 18	9 X .... = 36
3 X .... = 6	5 X .... = 20	8 X .... = 40
4 X .... = 8	7 X .... = 21	7 X .... = 42
3 X .... = 9	8 X .... = 24	9 X .... = 45
5 X .... = 10	6 X .... = 24	8 X .... = 48
6 X .... = 12	5 X .... = 25	7 X .... = 49
4 X .... = 12	9 X .... = 27	9 X .... = 54
7 X .... = 14	7 X .... = 28	8 X .... = 56
5 X .... = 15	6 X .... = 30	9 X .... = 63
4 X .... = 16	8 X .... = 32	8 X .... = 64
8 X .... = 16	7 X .... = 35	9 X .... = 72
9 X .... = 18	6 X .... = 36	9 X .... = 81

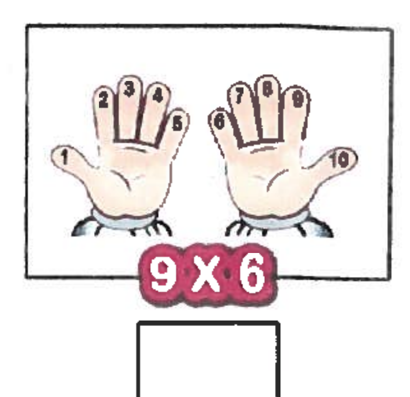
2 Complete:

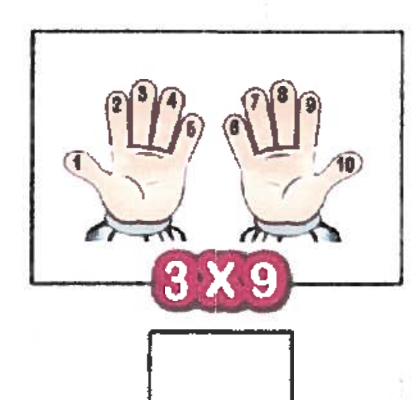
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</table>

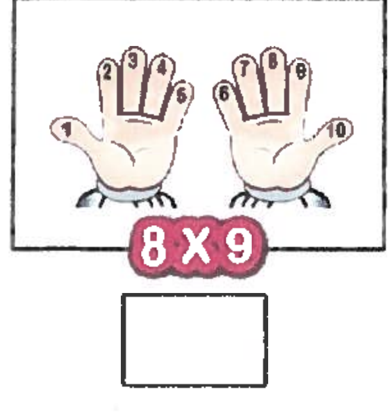
3 Use the finger trick strategy to find :

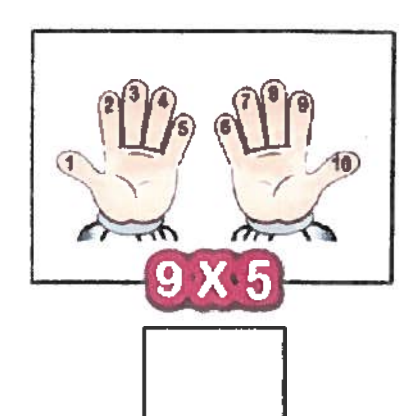


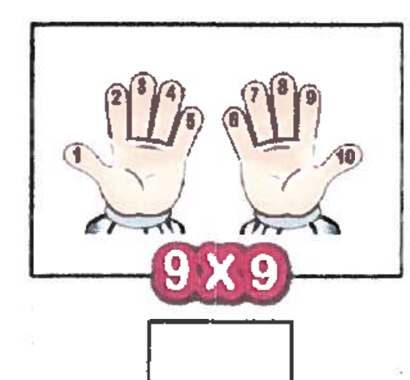


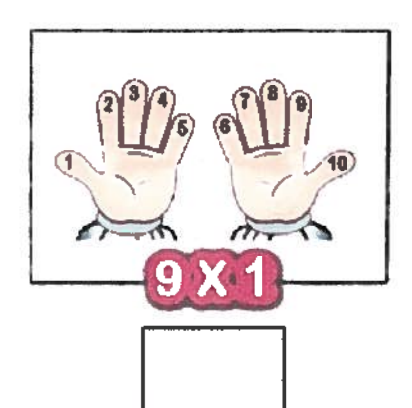


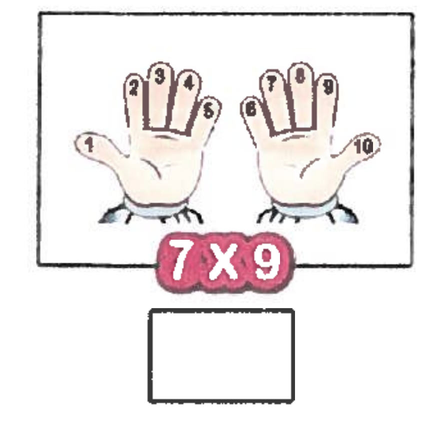


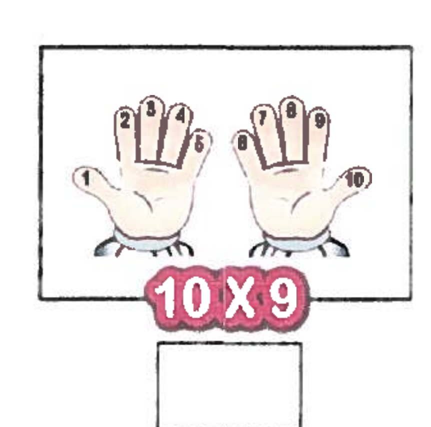












4 Use the Ten fact strategy to find :

a 9 X 2 =

9 X 2 = (........X........) – .... = ... – .... = ...

b 9 X 4 =

9 X 4 = (........X........) – .... = ... – .... = ...

c 9 X 6 =

9 X 6 = (........X........) – .... = ... – .... = ...

d 9 X 8 =

9 X 8 = (........X........) – .... = ... – .... = ...

e 9 X 1 =

9 X 1 = (........X........) – .... = ... – .... = ...

f 9 X 3 =

9 X 3 = (........X........) – .... = ... – .... = ...

g 9 X 5 =

9 X 5 = (........X........) – .... = ... – .... = ...

h 9 X 7 =

9 X 7 = (........X........) – .... = ... – .... = ...

i 9 X 9 =

9 X 9 = (........X........) – .... = ... – .... = ...

5 Choose the correct answer :

a) $5 + 5 + 5 + 5 + 5 + 5 =$ .... (5×5 or 3×10 or 6×6)

b) $8 \times 3 =$ .... (6×4 or $3 + 3 + 3$ or 4×4)

c) $10 + 10 + 10 + 10 =$ .... (5×4 or 10×10 or 5×8)

d) $9 + 9 + 9 + 9 =$ .... (9×9 or 3×6 or 6×6)

e) $6 + 6 + 6 + 6 =$ .... (6×4 or $6 + 4$ or $6 + 6$)

f) $9 \times 7 = (10 \times$ .....$) - 7$ (10 or 9 or 7)

g) $6 \times 3 =$ .... ($3 + 3 + 3$ or $6 + 6 + 6 + 6$ or $9 + 9$)

h) $4 + 4 + 4 + 4 =$ .... (8×2 or $4 + 4$ or 4×4)

---

6 Complete :

a) $8 \times 3 =$ ...... + ... + ... = ...

b) $6 \times 6 =$ ...... + ... + ... + ... + ... + ... = ...

c) $5 \times 4 =$ ...... + ... = ...

d) $6 \times 3 = 2 \times$ ...... = ...

e) $3 \times 4 = 2 \times$ ...... = ...

f) $4 \times 4 = 2 \times$ ...... = ...

g) $3 \times 8 = 4 \times$ ...... = ...

h) $8 + 8 + 8 + 8 = 4 \times$ ..... = ...

i) $6 + 6 + 6 + 6 + 6 = 5 \times$ ..... = ...

j) $9 \times$ ...... $= (10 \times 8) - 8 =$ .....

k) $9 \times 6 = ($ ...... $\times$ ...... $) - 6 =$ ....



First Choose the correct answer

a) 9 X .... = (10 X 7) - 7 (6 or 7 or 8)

b) 8 + 8 + 8 + 8 + 8 = ... (8 X 8 or 8 + 5 or 4 X 10)

c) 450 + 45 = ... (45 045 or 495 or 4 545)

d) 750 000 + 15 000 + 40 = ... (751 540 or 765 040 or 750 190)

e) 200 thousands = ... tens (200 000 or 20 000 or 2 000)

Second Complete the following

a) The number that comes right before 20 000 is ......

b) The value of the digit 0 in the number 23 054 is ......

c) (10 X 6) - 6 = ... X 6

d) 8 + 8 + 8 + 8 + 8 + 8 = ... X ......

e) Nine hundred thousand and nine (Standard form) = ...

Third Answer the following

a) Find the result of the following :

(1) 4 567 + 133 = ...

(2) 598 - 527 = ...

(3) 709 - 79 = ...

b) Complete using : (< , = or >) :

(1) 5 + 5 + 5 + 5 ☐ 5 X 5 (2) 4 + 4 + 4 ☐ 2 X 6

(3) 8 X 5 ☐ 8 + 5 (4) 9 X 3 ☐ 3 X 9

c) Each pen costs LE 6 ,
How much do 8 pens cost ?



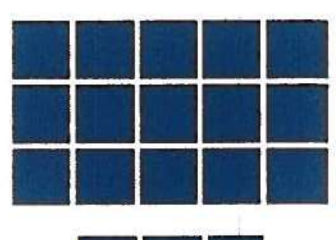

.... X .... = ...



LESSON 7 Multiplication Properties

Commutative Property :

3 rows
5 squars in each row
Total number of squars
3 X 5 = 15



5 rows
3 squars in each row
Total number of squars
5 X 3 = 15



So, 3 X 5 = 5 X 3 (Commutative property)

Distributive Property :

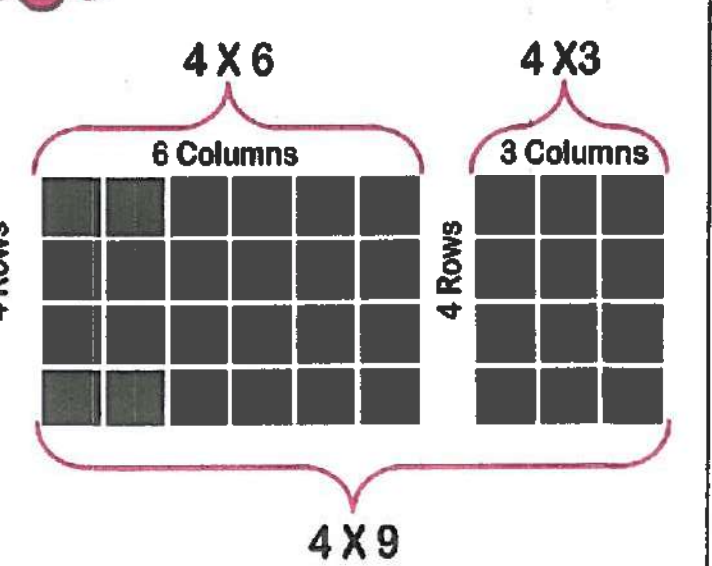
(4 X 6) + (4 X 3)

= 4 X (6 + 3)

= 4 X 9



= 36



1 Complete the following :

a) 5 X 8 = 8 X ....

b) 7 x 3 = 3 X ....

c) 5 X ...... = 7 X 5

d) .... X 7 = 7 X 4

e) .... X 6 = 6 X 9

f) 3 X ...... = 8 X

g) (5 X 3) + (5 X 7) = ... X .... = ...

h) (8 X 4) + (8 X 2) = ... X .... = ...

i) (2 X 6) + (2 X 3) = ... X .... = ...

j) (....... X 3) + (....... X 4) = 8 X 7 = ...

k) (7 X ....) + (7 X 5) = ... X 9 = ...

l) 5 X 9 = (5 X 4) + (....... X ....)

2 Complete the following :(As in the example)



8 x 17 = 8 X (10 + 7) = 8 X 10 + 8 X 7 = 136 (8 X 10 = 80, 8 X 7 = 56)

a) 7 X 13 = ...

b) 8 X 15 = ...

c) 9 X 13 = ...

d) 7 X 12 = ...



1 Complete the following :

a) 7 X 8 = 8 X ....

d) .... X 7 = 7 X 4

b) 8 x 5 = 5 X ....

e) .... X 6 = 6 X 9

c) 8 X ...... = 7 X 8

f) 7 X ...... = 8 X

g) (8 X 4) + (8 X 2) = ... X .... = ...

h) (7 X 6) + (7 X 3) = ... X .... = ...

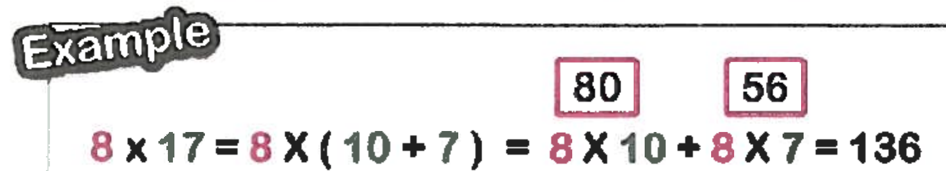
i) (9 X 3) + (9 X 3) = ... X .... = ...

j) (........ X 4) + (....... X 4) = 8 X 8 = ...

k) (3 X ....) + (3 X 5) = ... X 9 = ...

l) 2 X 9 = (2 X 4) + (....... X ....)

2 Complete the following :(As in the example)



a) 7 X 13 = ...

b) 4 X 12 = ...

c) 9 X 13 = ...

d) 8 X 15 = ...

3 Complete :

a) Number of rows = ...

b) Number of squares in each row = ...

c) Total number of squares = ...

d) Number of rows = ...

e) Number of squares in each row = ...

f) Total number of squares = ...



g) 

4 Complete :

a) Number of Columns = ...

b) Number of squares in each Columns = ...

c) Total number of squares = ...

d) Number of Columns = ...

e) Number of squares in each Columns = ...

f) Total number of squares = ...



g) 

5 Complete :

a) Number of Columns = ...

b) Number of squares in each Columns = ...

c) Total number of squares = ...

d) Number of Columns = ...

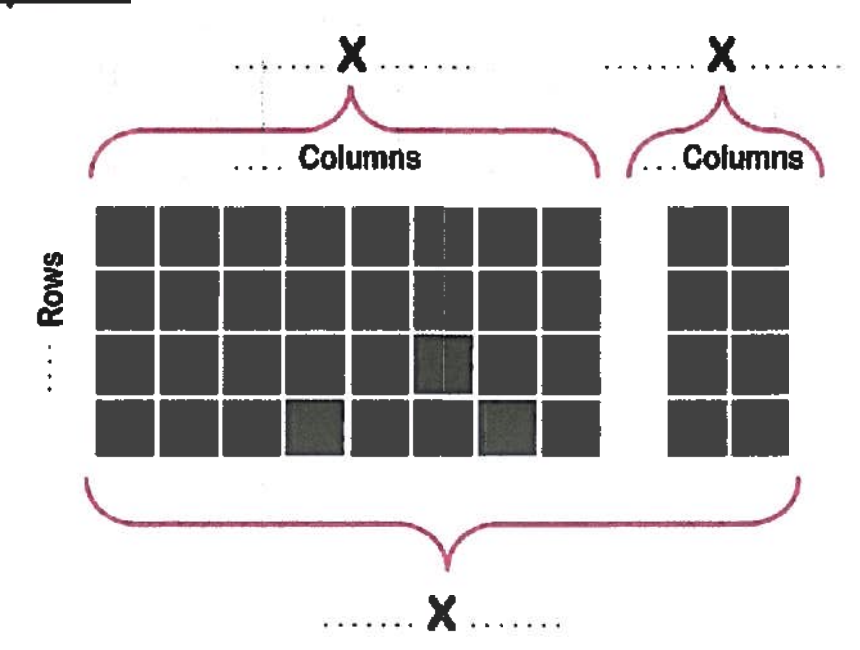
e) Number of squares in each Columns = ...

f) Total number of squares = ...

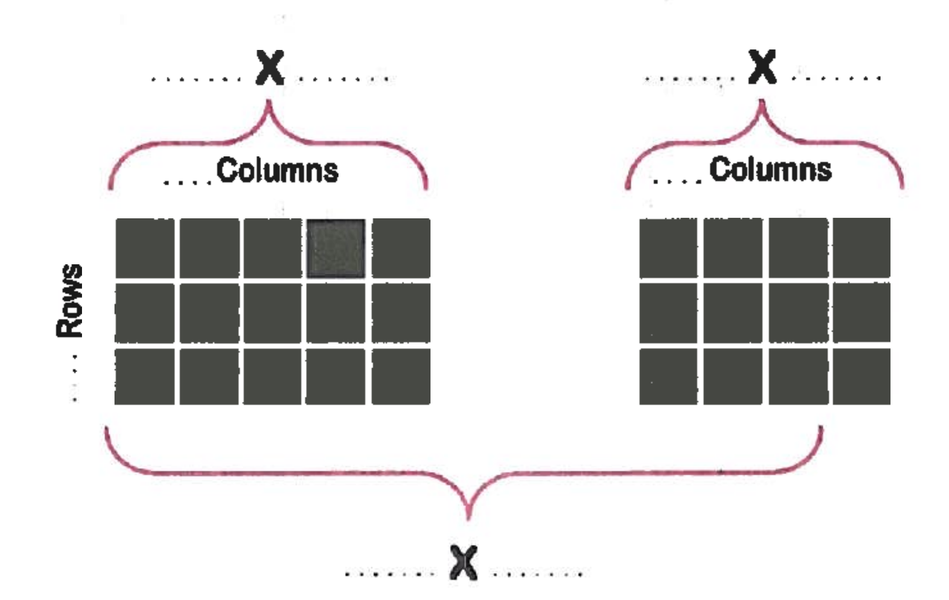


g) 

6 Complete :



a .... X .... = (....... X ....) + (....... X ....) = ...



b .... X .... = (....... X ....) + (....... X ....) = ...



First Choose the correct answer

a) Nineteen thousand , nine hundred and nine = ...

(19 909 *or* 90 909 *or* 19 990)

b) 500 + 0 + 0 + 5 = ... (500 005 *or* 5005 *or* 505)

c) 7 + 7 + 7 + 7 + 7 = ... (7 X 7 *or* 7 X 5 *or* 7 + 5)

d) 8 X 2 = ... (2 + 2 *or* 4 + 4 + 4 + 4 *or* 8 X 8)

e) The value of the digit 8 in the number 308 964 is ....

(800 000 *or* 80 000 *or* 8 000)

Second Complete the following

a) ■ ▲ , ■ ▲ , ■ ▲ , ... , ...

b) 6 X 9 = (..... x 5) + (..... X .....)

c) 7 X 6 = ... X 7

d) The number .... comes right after 56 999

e) 700 thousands + 2 hundreds + 108 tens = ...

Third Answer the following

a) Arrange the following numbers in an ascending order .

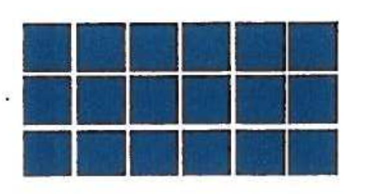
75 050 , 75 005 , 75 500 , 75 505 , 75 055

.... , ... , ... , ... , ...

b) Number of Columns = ...

Number of squares in each Columns = ...

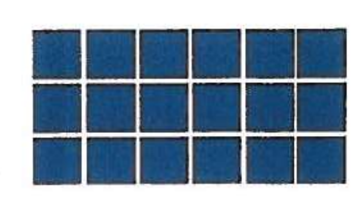
Total number of squares = ... X ..... = ...



c) Number of rows = ...

Number of squares in each row = ...

Total number of squares = ... X ..... = ...





Multiplication by the multiples of ten

1 USE THE 120 CHART

Color the multiples of 10 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the multiples of 10 up to 120 :

.........., ..., ..., ..., ..., ...

.........., ..., ..., ..., ..., ...

b List the common multiples of 10 and 5 up to 120 :

.........., ..., ..., ..., ..., ...

.........., ..., ..., ..., ..., ...

c List the common multiples of 4 , 5 and 10 up to 120 :

....

....

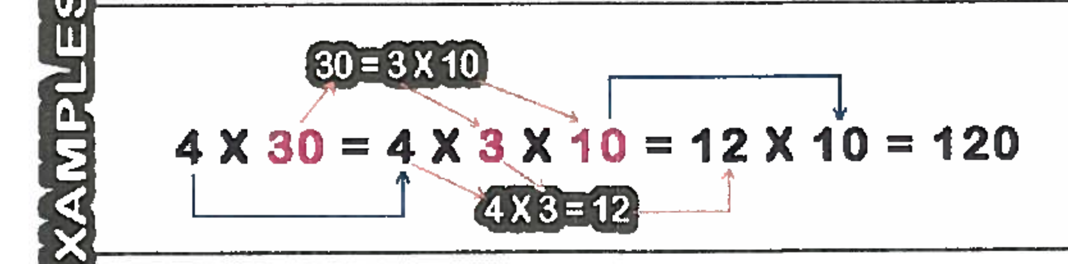
EXAMPLES

4 X 10 = 40

125 X 10 = 1250

44 X 10 = 440

100 X 10 = 1 000



90 = 9 X 10

7 X 90 = 7 X 9 X 10 = 63 X 10 = 630

7 X 9 = 63

Complete the follwoing :

a) 7 X 10 = ...

b) 9 X 10 = ...

c) 12 X 10 = ...

d) 52 X 10 = ...

e) 6 X .....= 60

f) 8 X .....=80

g) 65 X ..... = 650

h) 47 X ..... =470

i) 5 X 60 = ... X ...... X ...... = ... X ...... = ...

j) 4 X 80 = ... X ...... X ...... = ... X ...... = ...

k) ...... X ...... = 5 X 8 X 10 = ... X ...... = ...

l) ...... X ...... = 9 X 3 X 10 = ... X ...... = ...

m) ...... X ...... = 7 X ...... X ...... = 35 X 10 = ...

n) ...... X ...... = ... X 9 X ...... = 36 X 10 = ...



1 Complete :

1 X 10 = ...	9 X ...... = 90	...... X 10 = 50
3 X 10 = ...	7 X ...... = 70	...... X 10 = 30
5 X 10 = ...	5 X ...... = 50	...... X 10 = 70
7 X 10 = ...	3 X ...... = 30	...... X 10 = 20
9 X 10 = ...	1 X ...... = 10	...... X 10 = 90
0 X 10 = ...	0 X ...... = 0	...... X 10 = 10
2 X 10 = ...	2 X ...... = 20	...... X 10 = 60
4 X 10 = ...	4 X ...... = 40	...... X 10 = 40
6 X 10 = ...	6 X ...... = 60	...... X 10 = 80
8 X 10 = ...	8 X ...... = 80	...... X 10 = 0
10 X 10 = ...	10 X ...... = 100	...... X 10 = 100

2 Answer the following :

a List all the multiples of 10 up to 120 :

....

....

b List the common multiples of 5 and 10 up to 100 :

....

....

c List the common multiples of 2 , 3 and 10 up to 100 :

....

....

d List the common multiples of 4 , 5 and 10 up to 100 :

....

....

e List the common multiples of 5 , 6 and 10 up to 100 :

....

....

3 Complete the follwoing :

a) 6 X 10 = ...

b) 8 X 10 = ...

c) 52 X 10 = ...

d) 22 X 10 = ...

e) 16 X 10 = ...

f) 82 X 10 = ...

g) 7 X ..... = 70

h) 4 X ..... = 40

i) 4 X ..... = 40

j) 10 X ..... = 100

k) 86 X ..... = 860

l) 27 X ..... = 270

m) 55 X ..... = 550

n) 74 X ..... = 740

4 Complete the follwoing :

a) 8 X 50 = ... X ...... X ...... = ... X ...... = ...

b) 5 X 40 = ... X ...... X ...... = ... X ...... = ...

c) 9 X 80 = ... X ...... X ...... = ... X ...... = ...

d) ...... X ...... = 5 X 9 X 10 = ... X ...... = ...

e) ...... X ...... = 8 X 8 X 10 = ... X ...... = ...

f) ...... X ...... = 6 X 3 X 10 = ... X ...... = ...

g) ...... X ...... = 5 X ...... X ...... = 35 X 10 = ...

h) ...... X ...... = 6 X ...... X ...... = 54 X 10 = ...

i) ...... X ...... = ... X 7 X ...... = 49 X 10 = ...

5 Choose the correct answer :

a) 5 X 6 X 10 = ... X 10 (300 or 30 or 3)

b) 7 X 4 X 10 = ... X 10 (280 or 4 or 28)

c) .... X 9 X 10 = 36 X 10 (4 or 36 or 360)

d) 28 X 10 = 4 X .... X 10 (7 or 280 or 40)

e) 35 X 10 = 5 X .... X 10 (70 or 350 or 7)

f) 36 X 10 = ... X 6 X 10 (3 or 6 or 36)

g) 5 X 8 = ... X 5 (40 or 5 or 8)

h) 9 X .... = 6 X 9 (6 or 9 or 54)

i) 8 X 6 = 6 X .... (8 or 6 or 48)

j) 5 + 5 + 5 + 5 = 2 X .... (5 or 10 or 4 + 5)

k) 6 + 6 + 6 = ... (6 + 3 or 6 X 6 or 9 X 2)

l) 6 + 6 + 6 + 6 + 6 = ... (6 X 6 or 3 X 10 or 6 + 5)

6 Match :

2 X 60	40 X 10
8 X 50	20 X 9
3 X 60	3 X 40
6 X 60	2 X 80
4 X 40	4 X 60
4 X 50	40 X 9
3 X 80	2 X 100



Sheet 8

First Choose the correct answer

a) The value of the digit 9 in the number 89 123 is ………

(90 000 *or* 9 000 *or* 900)

b) 25 025 = 25 + …… (25 *or* 250 *or* 25 000)

c) 4 + 4 + 4 + 4 = …… (4 + 4 *or* 8 + 2 *or* 8 x 2)

d) 6 X 6 = …… (6 + 6 + 6 + 6 *or* 6 x 2 *or* 9 x 4)

e) The smallest number formed from (6 , 7 , 2 , 0 , 5) is ………

(20 567 *or* 76 520 *or* 25 670)

Second Complete the following

a) 750 thousands + 100 hundreds = ……

b) 7 X 14 = 7 X …… + 7 X …… = ……

c) 6 X 70 = …… X …… X …… = ……

d) Twenty thousand and twenty (In standard form) : …………

e) 80 , 72 , 64 , 56 , ……… , ……… , ………

Third Answer the following

a) Find the result :

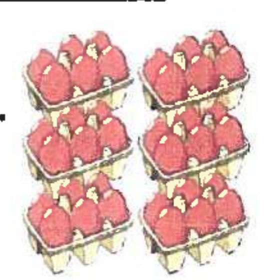
(1) 7 058 + 950 = ……… (2) 8 005 - 450 = ………

b) Arrange the following numbers in a descending order .

10 005 , 1 005 , 1 050 , 15 000 , 1 500

………… , ………… , ………… , ………… , …………

c) Ahmed went to the store 6 times last month.
He buys 6 eggs each time he goes to the store.
How many eggs did Ahmed buy last month?





……… X ……… = ………

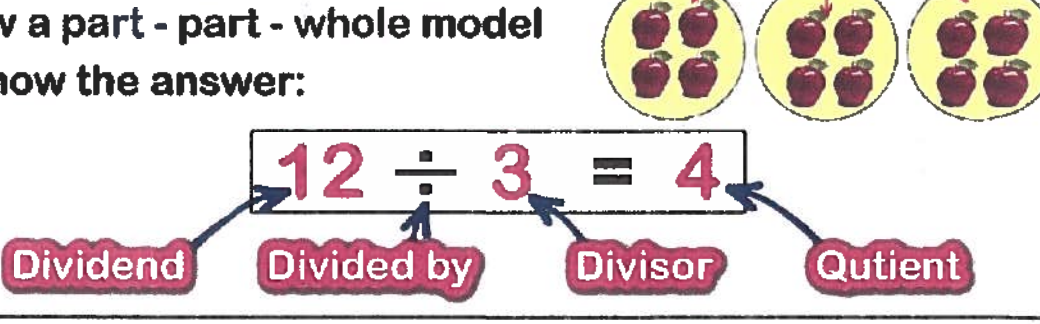
LESSON 9

Division

Example

There are 12 apples that need to be divided equally between 3 baskets.

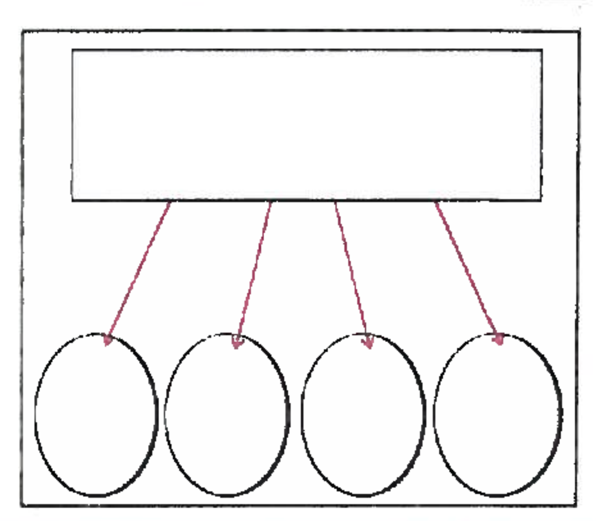
Draw a part - part - whole model to show the answer:



1. There are 16 fish tht need to be plased equally in 4 bowls. How many fish shoud be put into each bowl ?

Draw a part-part-whole model to show your answer .

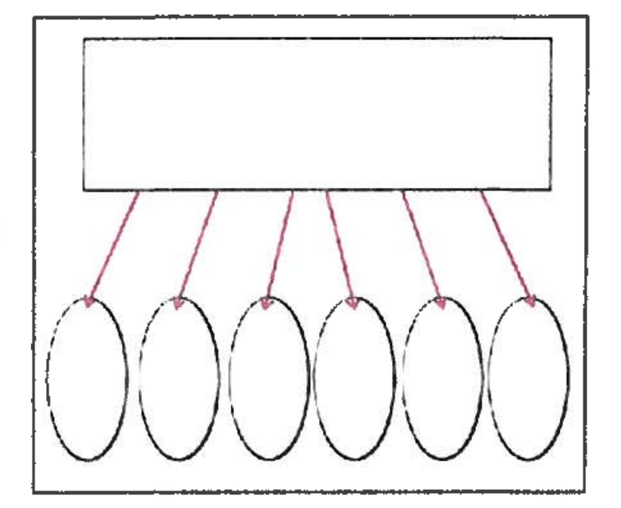




2. The teacher has 36 crayons to share equally between 6 students. What is the share of each ?

Draw a part-part-whole model to show your answer .

.... ÷ .... = ...



3 Each cat needs 3 fish for lunch. How many cats can we feed with 12 fish ?

Draw a part-part-whole model to show your answer .

.... ÷ .... = ...

Multiplication & Division Fact Families

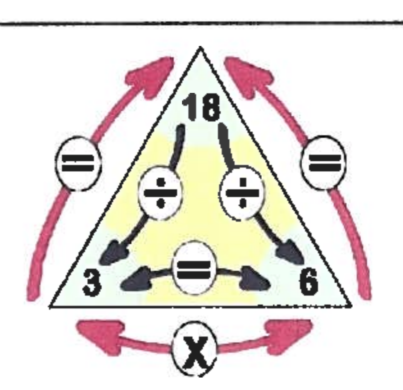
Example

3 X 6 = 18

6 X 3 = 18

18 ÷ 3 = 6

18 ÷ 6 = 3



4 Find the missing factor in the triangles , then write the four equations to complete the fact family:

a

28

7 .....

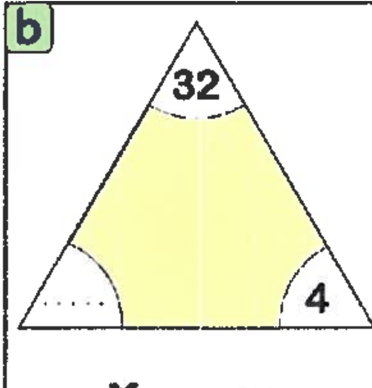
..... X ..... = ...

..... X ..... = ...

..... ÷ ..... = ...

..... ÷ ..... = ...

b



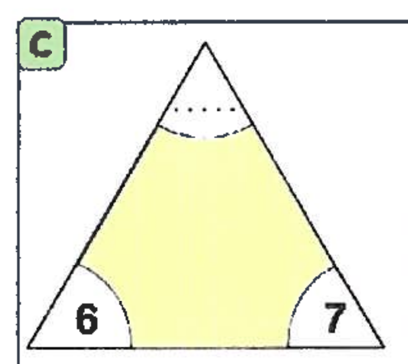
..... X ..... = ...

..... X ..... = ...

..... ÷ ..... = ...

..... ÷ ..... = ...

c



..... X ..... = ...

..... X ..... = ...

..... ÷ ..... = ...

..... ÷ ..... = ...

$14 \div 2 = 7$

$2\overline{)14}$ = 7

$\frac{14}{2} = 7$

5 Complete th following :

$16 \div 4 =$	$3\overline{)15}$	$\frac{14}{2} =$ ......
$15 \div 3 =$	$7\overline{)21}$	$\frac{18}{9} =$ ......
$12 \div 3 =$	$6\overline{)12}$	$\frac{63}{7} =$ ......
...... $\div 4 = 6$	$5\overline{)......}$ = 7	$\frac{......}{9} = 8$
...... $\div 6 = 8$	$2\overline{)......}$ = 6	$\frac{......}{7} = 8$
$36 \div$ ...... $= 6$	......$\overline{)30}$ = 5	$\frac{14}{......} = 7$
$72 \div$ ...... $= 8$	......$\overline{)40}$ = 8	$\frac{54}{......} = 9$



Answer the following :

a There are 20 fish tht need to be plased equally in 4 bowls. How many fish shoud be put into each bowl ?

Draw a part-part-whole model to show your answer .

.... ÷ .... = ...

b The teacher has 18 crayons to share equally between 6 students. What is the share of each ?

Draw a part-part-whole model to show your answer .

.... ÷ .... = ...

c Salah has 20 oranges that need to be divid equally between 5 baskets.

Draw a part-part-whole model to show your answer .

.... ÷ .... = ...

d Eman is inviting 3 friends to a party.He has 12 cookies. How many cookies will each friend get?

Draw a part-part-whole model to show your answer .

.........÷......... = ...

---

e Judy has 20 pencils stored in boxes. If there are 5 boxes, How many pencils must go in each box?

Draw a part-part-whole model to show your answer .

.........÷......... = ...

---

f There are 6 students in the class and 30 peanuts. If the peanuts are dividede qually among the students, How many does each student get?

Draw a part-part-whole model to show your answer .

.........÷......... = ...

g Each jackal must eat 6 insects.
There are 24 insects .
How many jackal can be fed?

Draw a part-part-whole model to show your answer .

.... ÷ .... = ...

---

h Each crocdile wants to eat 5 fish .
There are 25 fish.
How many crocodiles can be fed ?

Draw a part-part-whole model to show your answer .

.... ÷ .... = ...

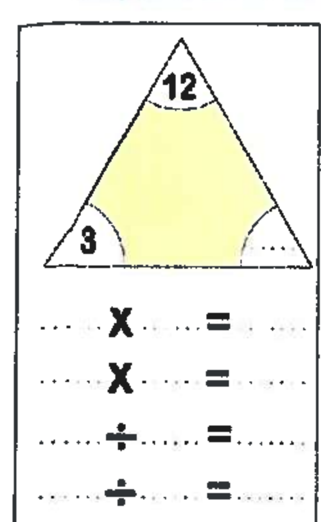
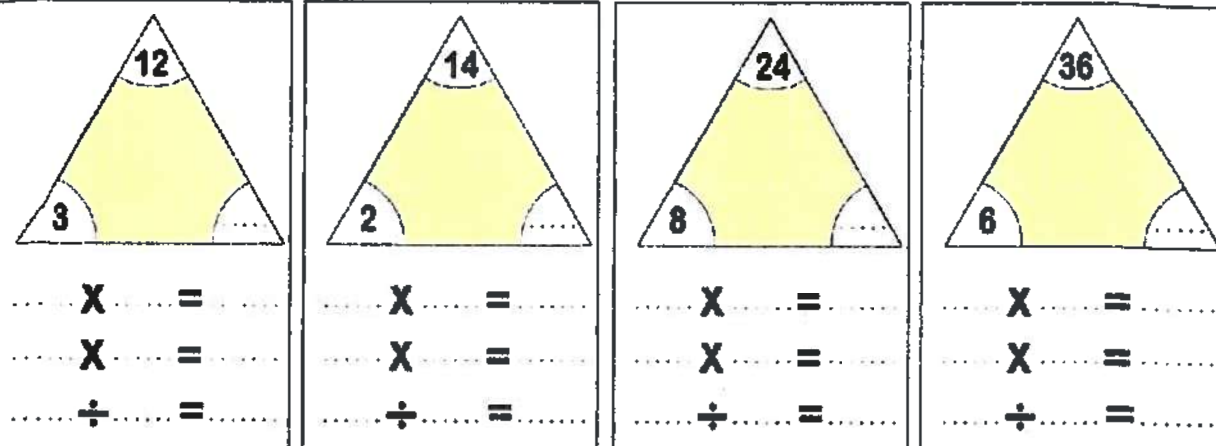
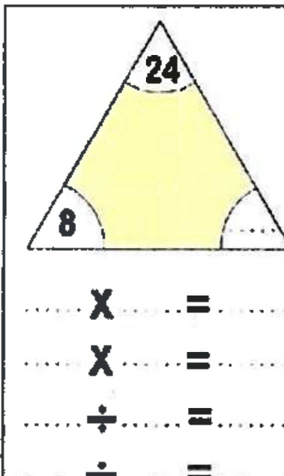
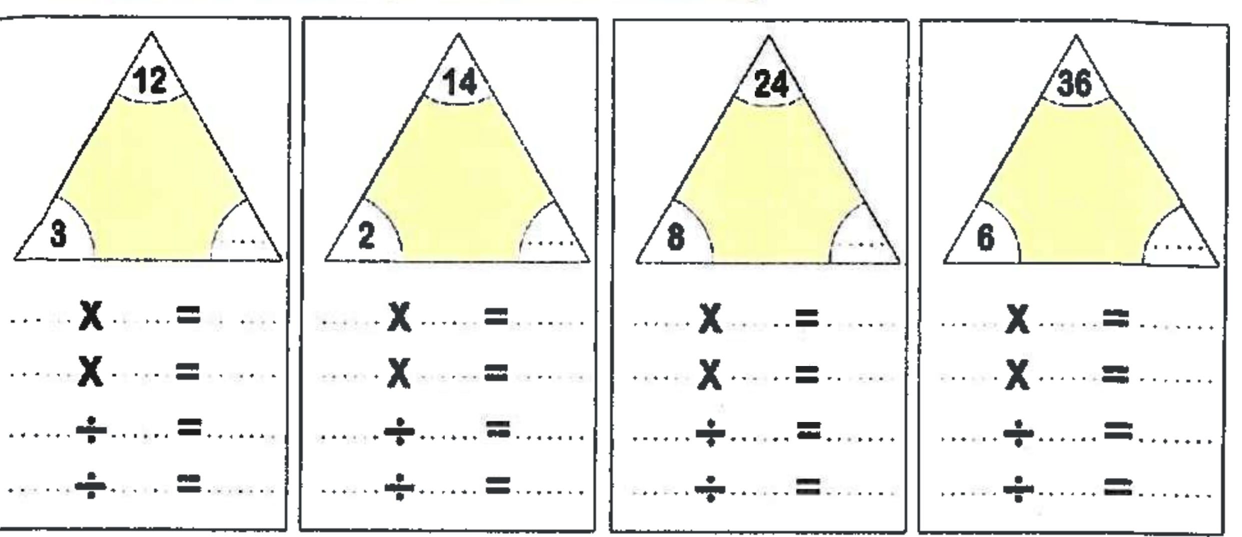
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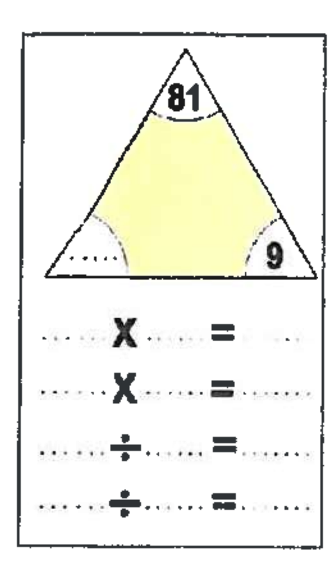
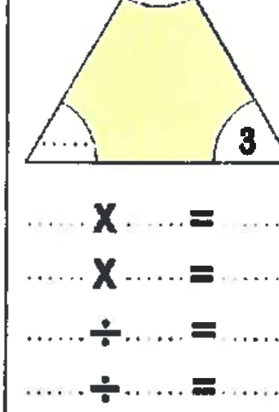
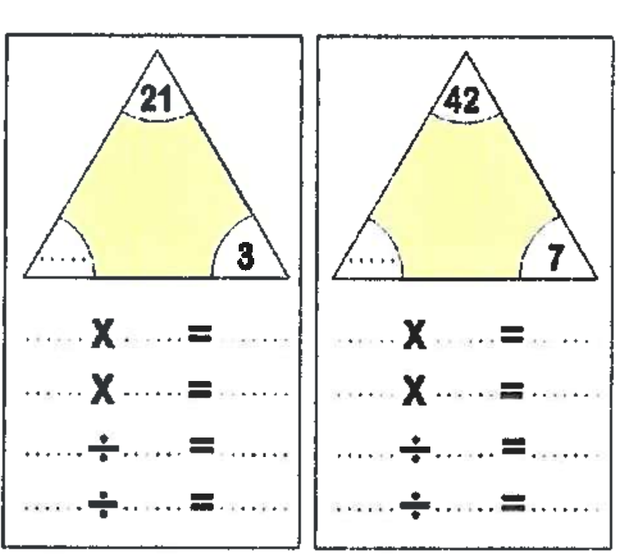
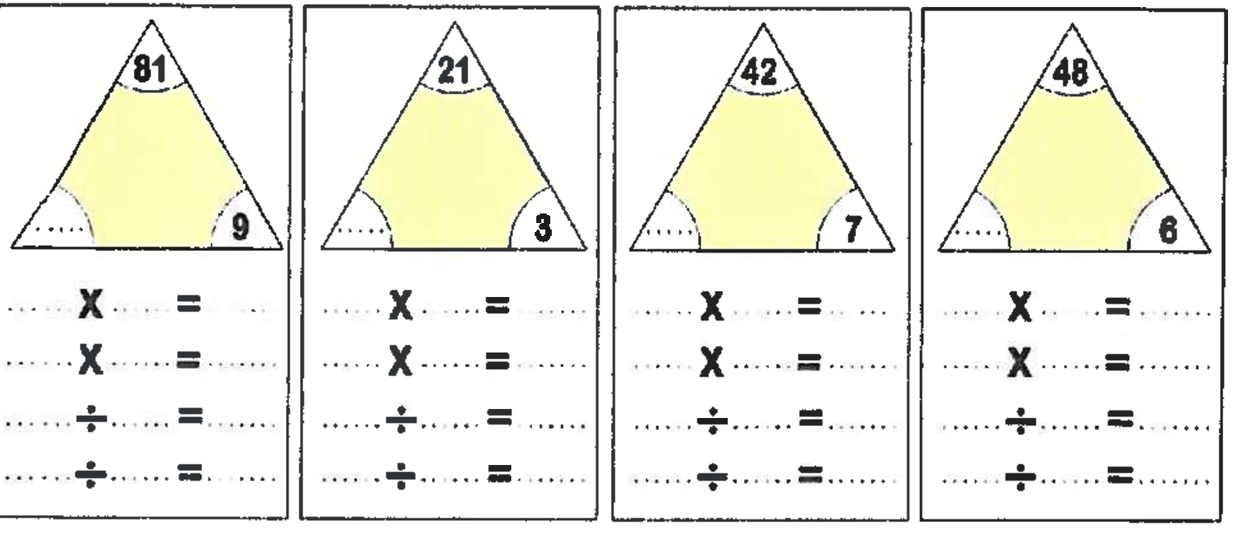
i Each bull eats 2 bales of hay each day .
There are 100 bales.
How many bulls can be fed ?

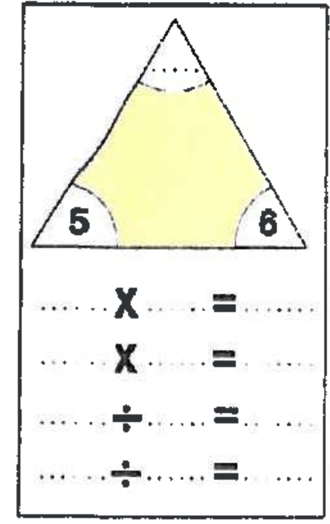
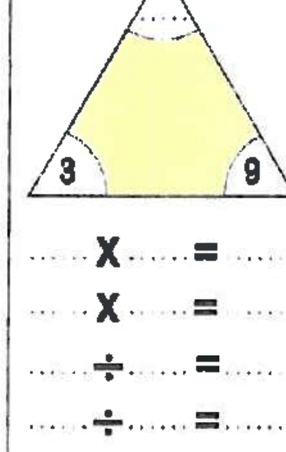
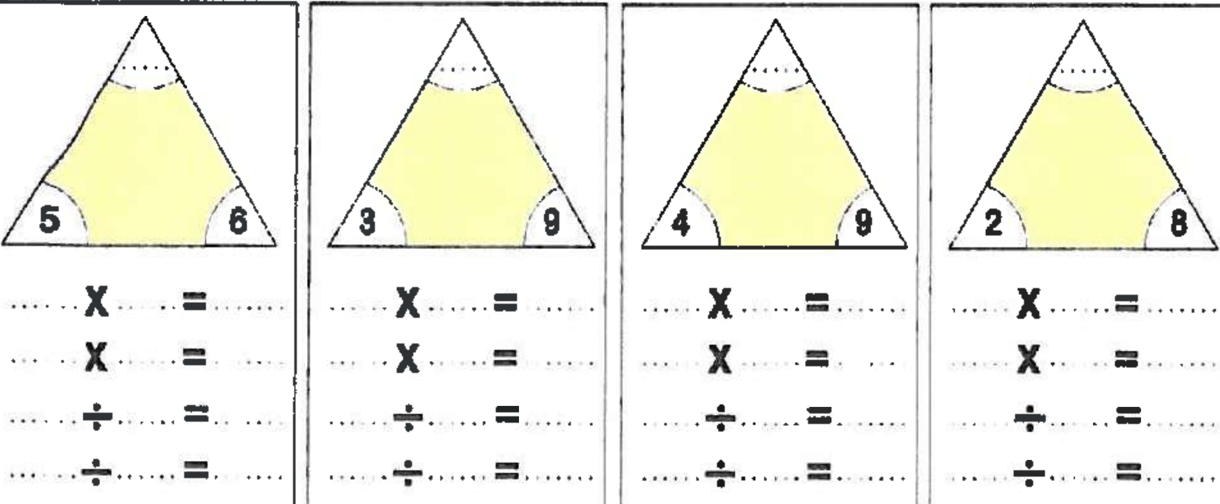
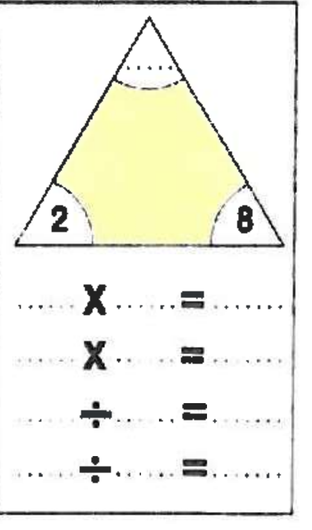
Draw a part-part-whole model to show your answer .

.... ÷ .... = ...

2 Find the missing factor in the triangles , then write the four equations to complete the fact family:

3 <u>Complete th following :</u>

$25 \div 5 =$ ……… | $2\overline{)8}$ ……… | $\frac{40}{5} =$ ………

$15 \div 5 =$ ……… | $3\overline{)6}$ ……… | $\frac{42}{6} =$ ………

$30 \div 5 =$ ……… | $5\overline{)10}$ ……… | $\frac{45}{5} =$ ………

$36 \div 6 =$ ……… | $4\overline{)12}$ ……… | $\frac{48}{8} =$ ………

$45 \div 5 =$ ……… | $4\overline{)16}$ ……… | $\frac{56}{7} =$ ………

$72 \div 8 =$ ……… | $6\overline{)24}$ ……… | $\frac{54}{9} =$ ………

$18 \div 9 =$ ……… | $3\overline{)24}$ ……… | $\frac{63}{7} =$ ………

$16 \div 4 =$ ……… | $4\overline{)28}$ ……… | $\frac{64}{8} =$ ………

$20 \div 5 =$ ……… | $3\overline{)27}$ ……… | $\frac{72}{8} =$ ………

$21 \div 7 =$ ……… | $6\overline{)30}$ ……… | $\frac{81}{9} =$ ………

4 Complete th following :

.... ÷ 2 = 2

.... ÷ 3 = 3

.... ÷ 4 = 2

.... ÷ 6 = 2

.... ÷ 8 = 2

32 ÷ ...... = 8

35 ÷ ...... = 5

40 ÷ ...... = 5

36 ÷ ...... = 6

42 ÷ ...... = 7

$\begin{array}{r} 3 \\ 2\overline{)\ \ldots\ldots} \end{array}$

$\begin{array}{r} 4 \\ 3\overline{)\ \ldots\ldots} \end{array}$

$\begin{array}{r} 5 \\ 4\overline{)\ \ldots\ldots} \end{array}$

$\begin{array}{r} 3 \\ 5\overline{)\ \ldots\ldots} \end{array}$

$\begin{array}{r} 3 \\ 6\overline{)\ \ldots\ldots} \end{array}$

$\begin{array}{r} 9 \\ \ldots\overline{)\ 36} \end{array}$

$\begin{array}{r} 5 \\ \ldots\overline{)\ 45} \end{array}$

$\begin{array}{r} 6 \\ \ldots\overline{)\ 48} \end{array}$

$\begin{array}{r} 6 \\ \ldots\overline{)\ 54} \end{array}$

$\begin{array}{r} 7 \\ \ldots\overline{)\ 63} \end{array}$

$\frac{\ldots\ldots}{6} = 4$

$\frac{\ldots\ldots}{5} = 5$

$\frac{\ldots\ldots}{4} = 8$

$\frac{\ldots\ldots}{3} = 7$

$\frac{\ldots\ldots}{2} = 9$

$\frac{72}{\ldots\ldots} = 9$

$\frac{81}{\ldots\ldots} = 9$

$\frac{64}{\ldots\ldots} = 8$

$\frac{14}{\ldots\ldots} = 7$

$\frac{49}{\ldots\ldots} = 7$



First Choose the correct answer

a) The number that comes right before 20 500 is ....

(20 499 *or* 20 501 *or* 10 500)

b) 28 ÷ ...... = 7 (3 *or* 4 *or* 5)

c) 9 X 50 = ... X 10 (95 *or* 90 *or* 45)

d) 8 + 8 + 8 = ... (8 + 3 *or* 6 + 4 *or* 6 X 4)

e) Eighteen thousand, eight hundred and eight = ...

(18 808 *or* 80 808 *or* 18 880)

Second Complete the following

a) 25 thousand + 105 tens = ...

b) ...... ÷ 8 = 7

c) 6 X 15 = (..... X .....) + (..... X .....) = ...

d) The smallest 6-digit number is ....

e) 3 X 3 = 36 ÷ .....

Third Answer the following

a) **Find the result :**

(1) 789 + 125 = ...

(2) 500 - 247 = ...

(3) 45 ÷ 5 = ...

(4) 63 ÷ 9 = ...

b) **Complete using < , = or > :**

(1) 6 X 6 ☐ 4 + 9

(2) 4 + 4 + 4 + 4 ☐ 2 X 8

(3) 18 ÷ 2 ☐ 48 ÷ 6

(4) 8 ÷ 8 ☐ 1 X 8

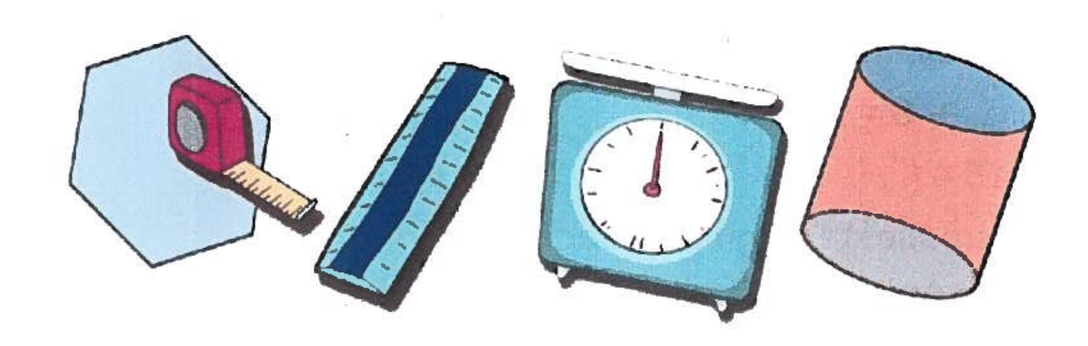
c) The price of each book is 8 pounds.

How many books can you buy if you have 40 pounds?

....



FOUR



GEOMETERY AND MEASUREMENT

LESSON 1 Time

a half $\frac{1}{2}$	a third $\frac{1}{3}$	a quarter $\frac{1}{4}$



1 day = 24 hours	1 hour = 60 minutes
$\frac{1}{2}$ day = 12 hours	$\frac{1}{2}$ hour = 30 minutes
$\frac{1}{3}$ day = 8 hours	$\frac{1}{3}$ hour = 20 minutes
$\frac{1}{4}$ day = 6 hours	$\frac{1}{4}$ hour = 15 minutes

1 Complete the following :

a) 2 hours = ... + ... = ... minutes

b) An hour and a half = ... + ... = ... minutes

c) 2 hours and a third = ... + ... = ... minutes

d) An hour and a quarter = ... + ... = ... minutes

e) 2 hours and 25 minutes = ... + ... = ... minutes

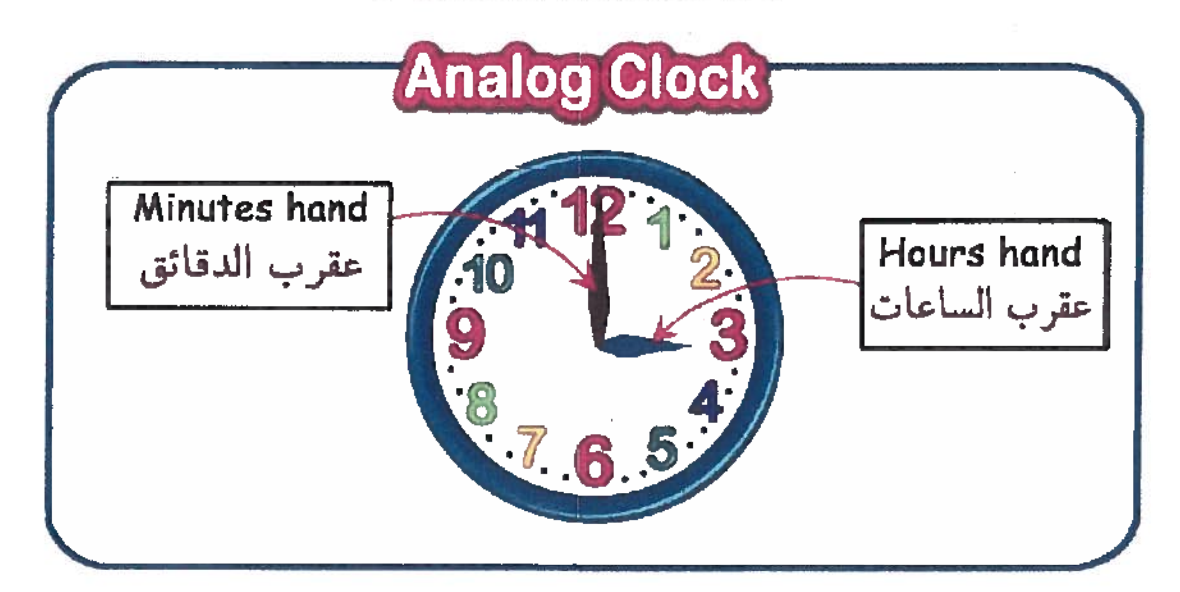
f) An hour and 10 minutes = ... + ... = ... minutes

g) 65 minutes = ... hours + ... minutes

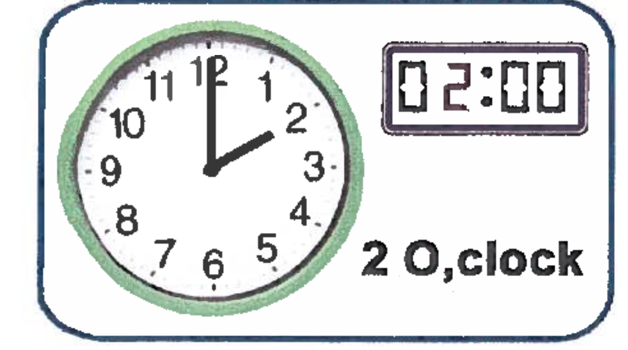
h) 95 minutes = ... hours + ... minutes

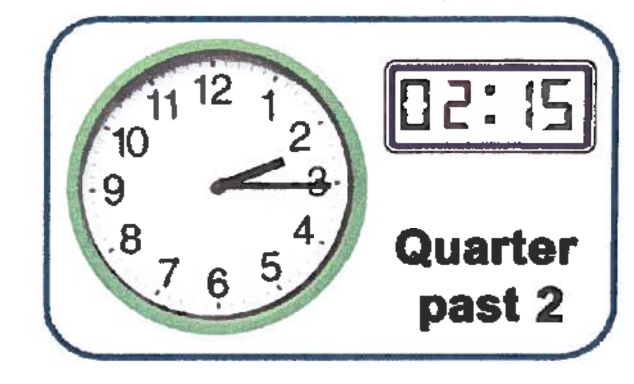
i) 150 minutes = ... hours + ... minutes

Remember

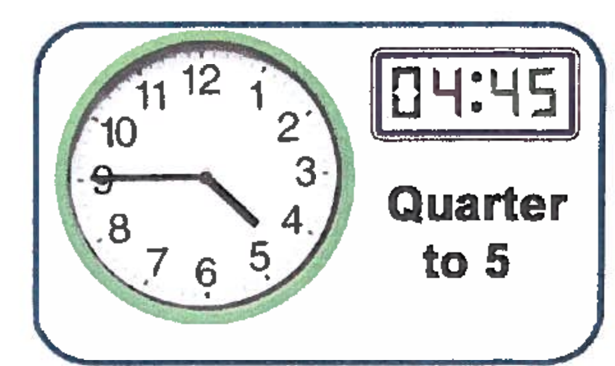

Analog Clock
Minutes hand
عقرب الدقائق
Hours hand
عقرب الساعات


Digital Clock
Hours
الساعات
04:00
Minutes
الدقائق

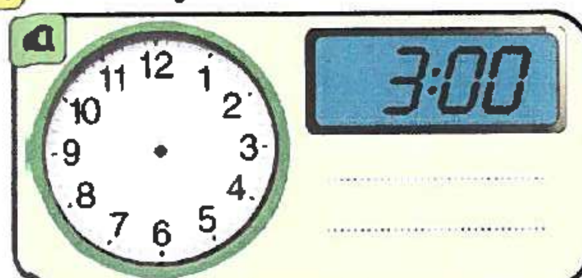

02:00
2 O,clock

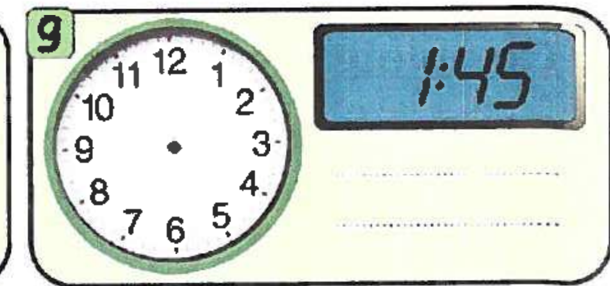

02:15
Quarter past 2

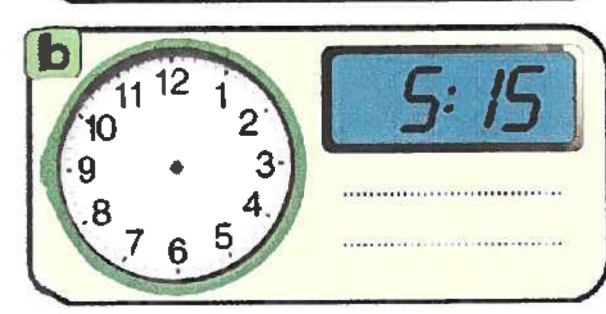

04:30
Half past 4

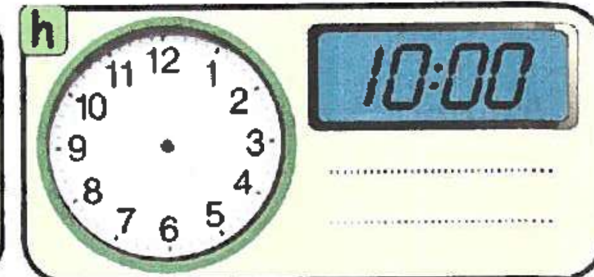

04:45
Quarter to 5

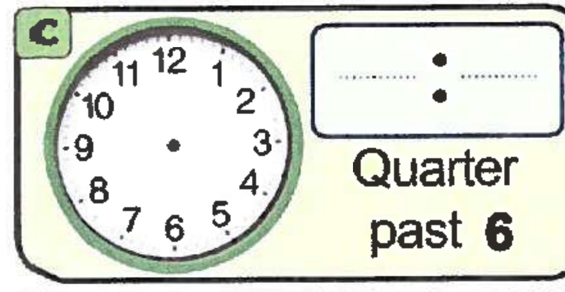
2 Complete :

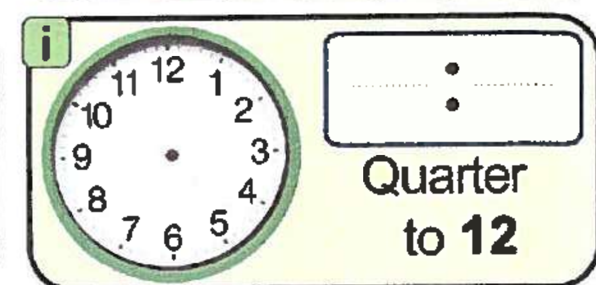

a
3:00

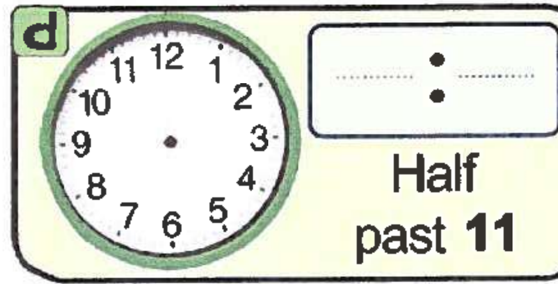

g
1:45

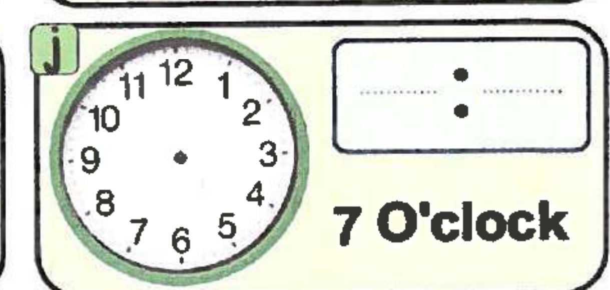

b
5:15

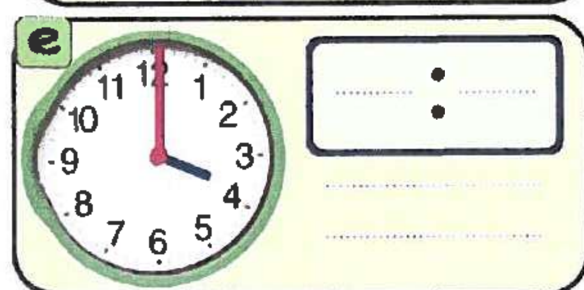

h
10:00

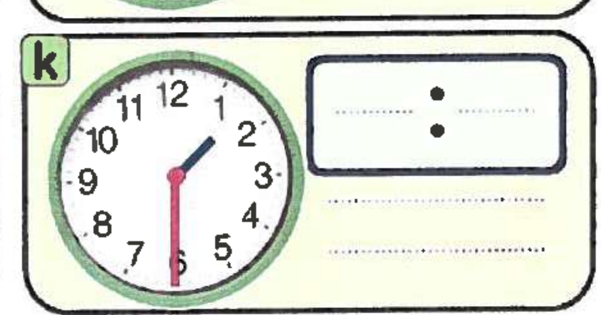

c
Quarter past 6

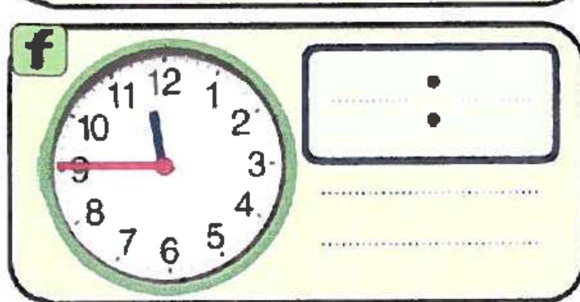

i
Quarter to 12

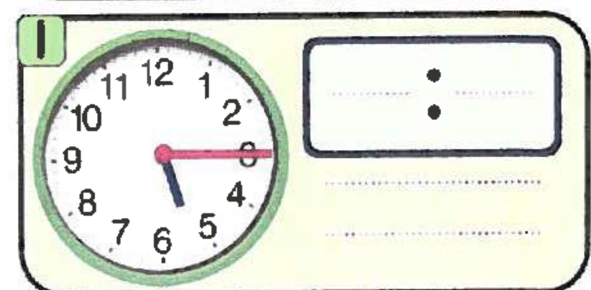

d
Half past 11


j
7 O'clock


e


k


f


l



1 Complete the following :

a) 2 hours = ... + ... = ... minutes

b) An hour and a half = ... + ... = ... minutes

c) An hour and a third = ... + ... = ... minutes

d) An hour and a quarter = ... + ... = ... minutes

e) An hour and 25 minutes = ... + ... = ... minutes

f) An hour and 10 minutes = ... + ... = ... minutes

g) 2 hours and a half = ... + ... = ... minutes

h) 2 hours and a third = ... + ... = ... minutes

i) 2 hours and a quarter = ... + ... = ... minutes

j) 2 hours and 20 minutes = ... + ... = ... minutes

k) 2 hours and 55 minutes = ... + ... = ... minutes

l) 75 minutes = ... hours + ... minutes

m) 80 minutes = ... hours + ... minutes

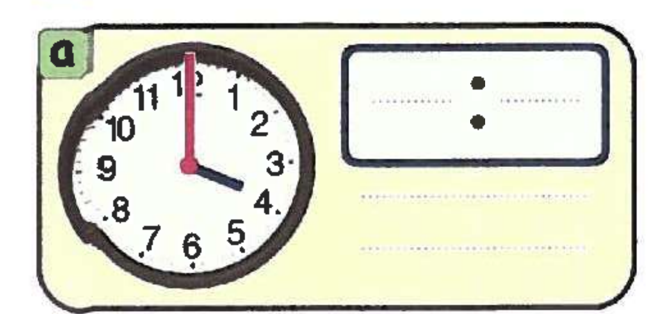
n) 95 minutes = ... hours + ... minutes

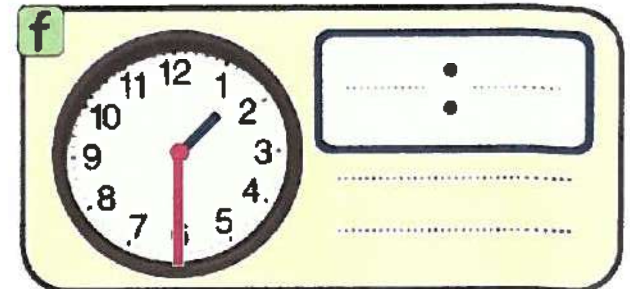
o) 100 minutes = ... hours + ... minutes

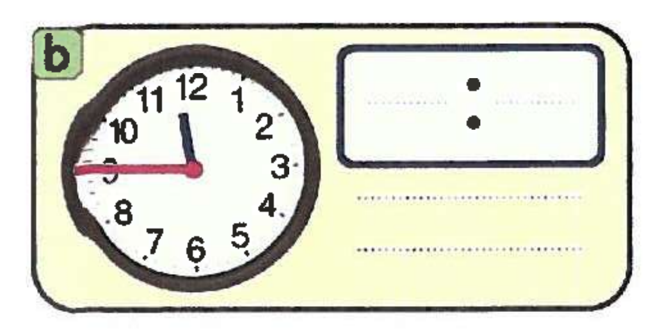
p) 105 minutes = ... hours + ... minutes

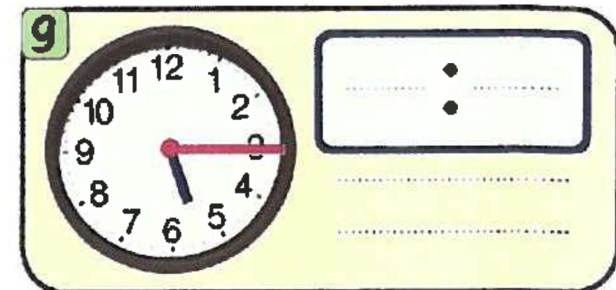
q) 130 minutes = ... hours + ... minutes

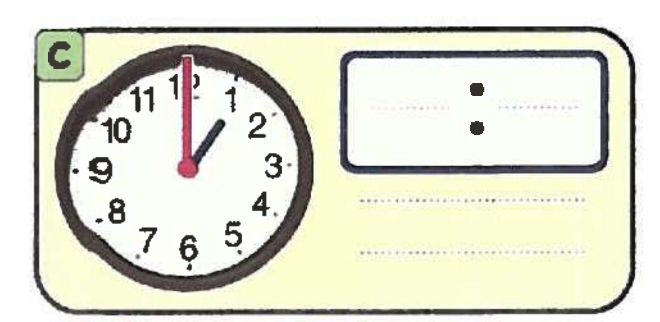
2 Complete :

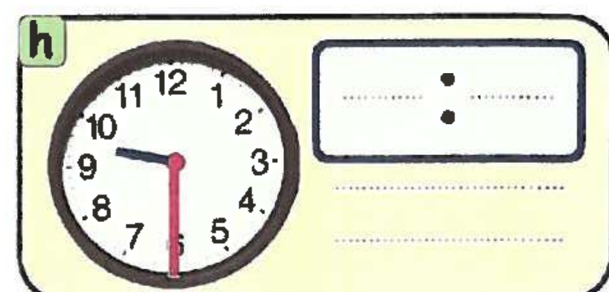
a


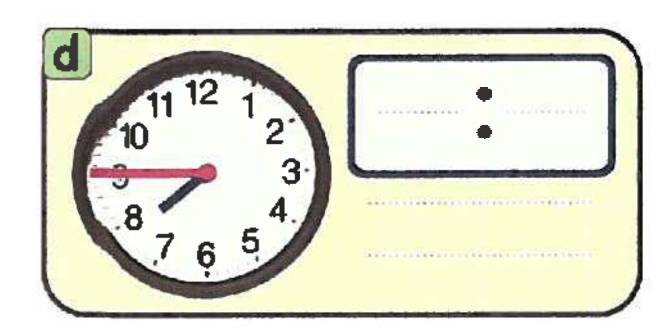
f


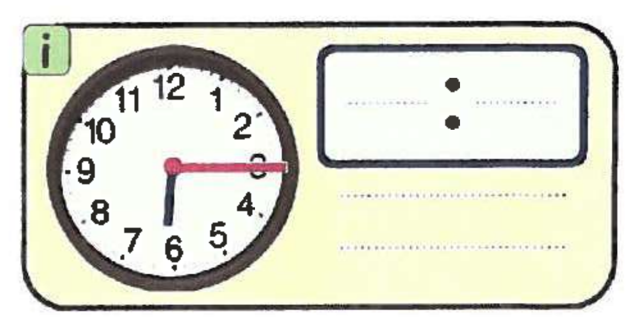
b


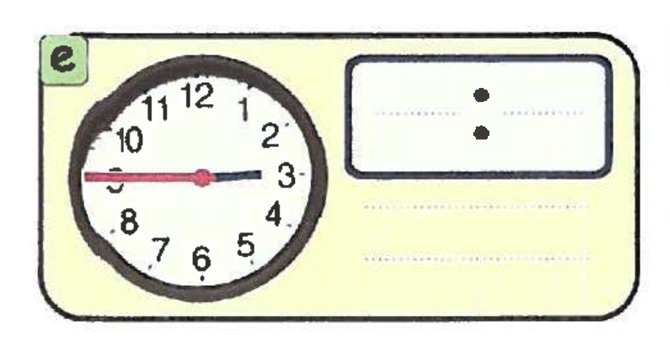
g


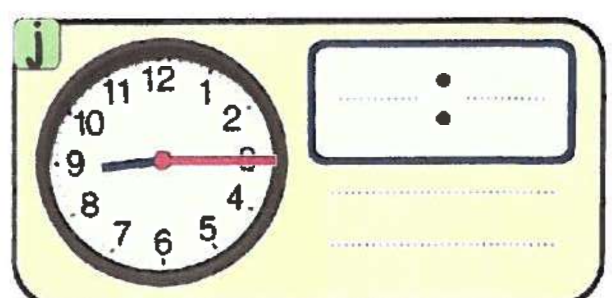
c


h


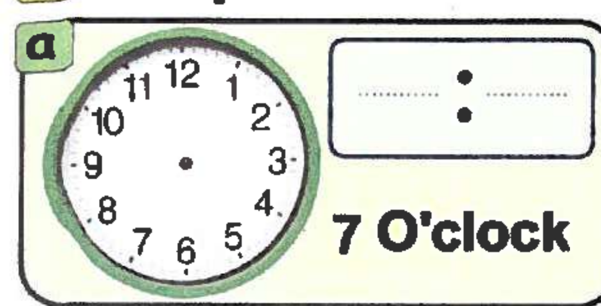
d


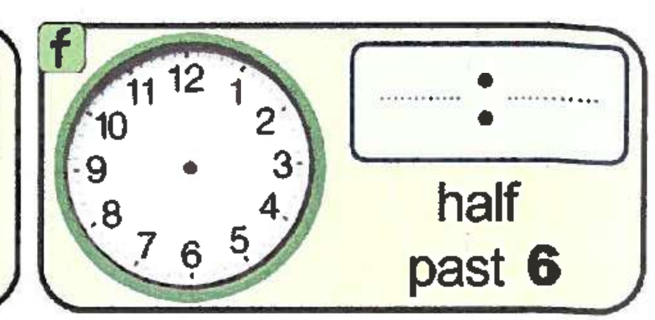
i


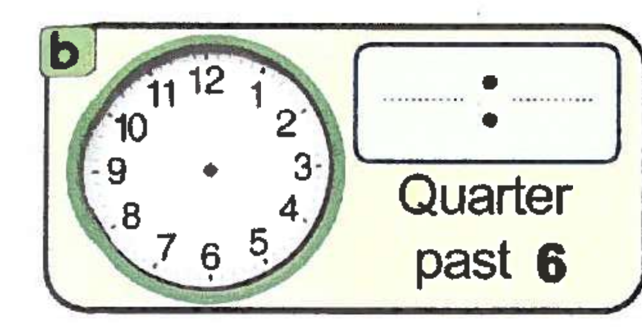
e


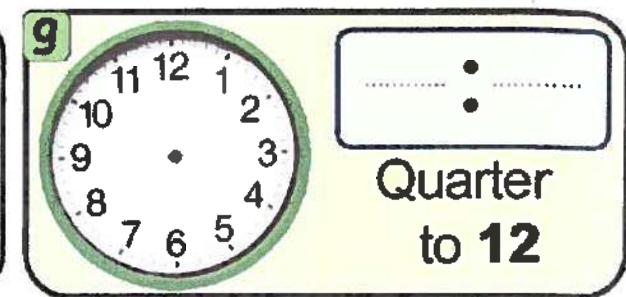
j


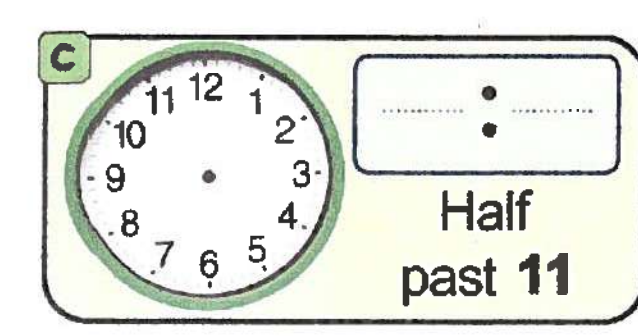
3 Complete :

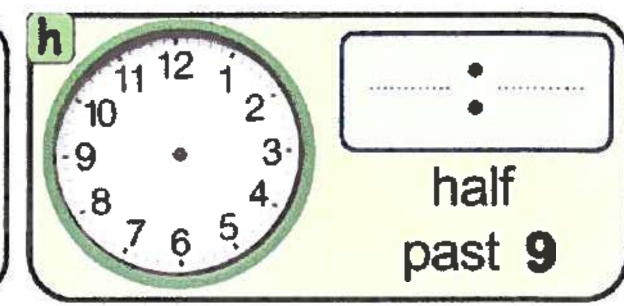
a


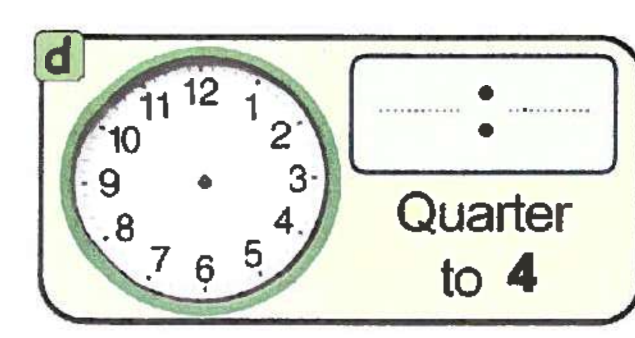
f


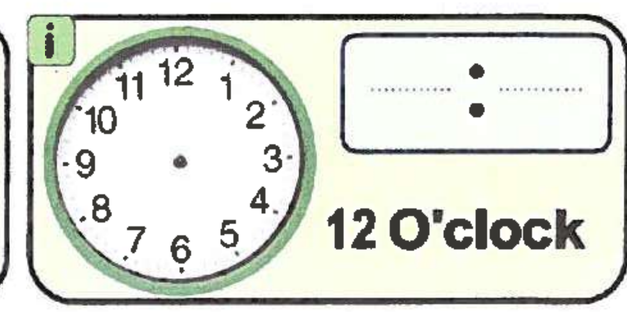
b


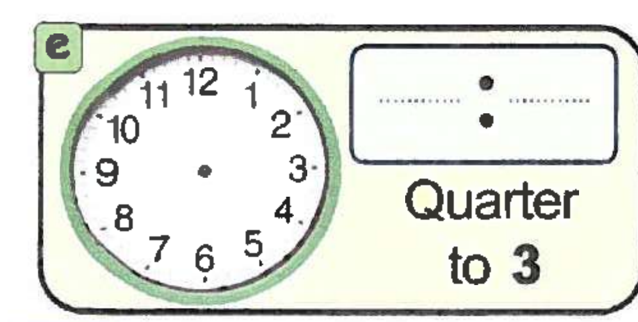
g


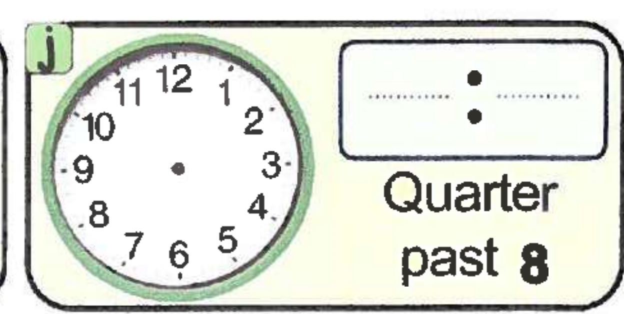
c


h


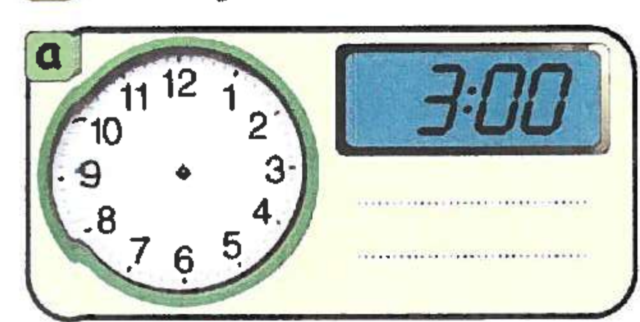
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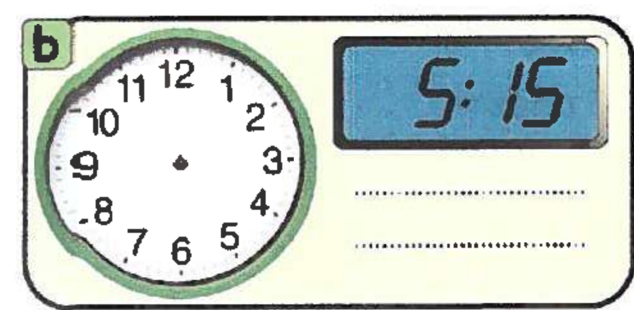
i


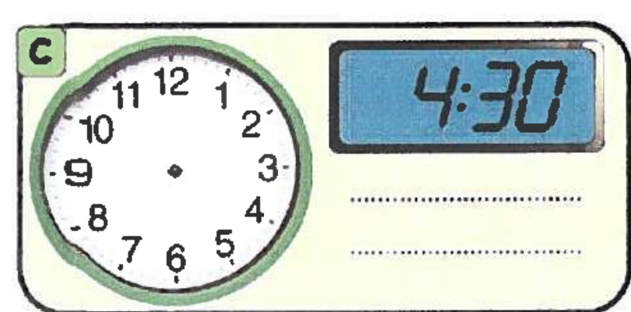
e


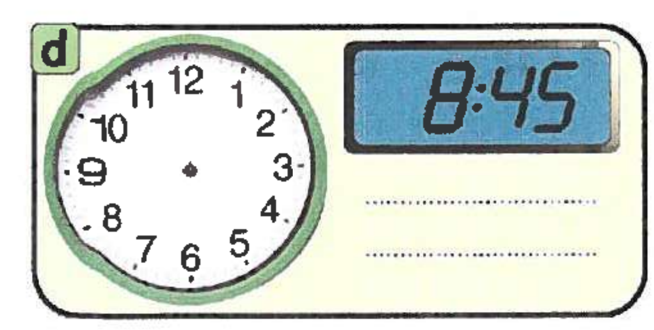
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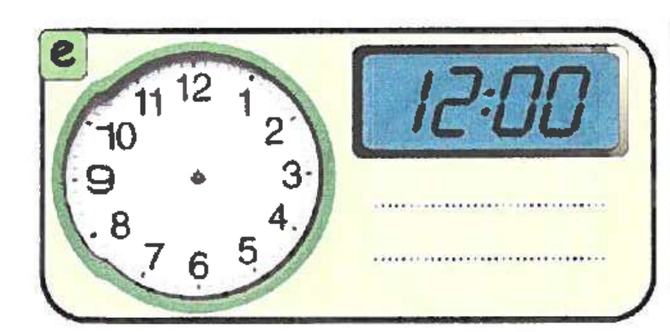
4 Complete :

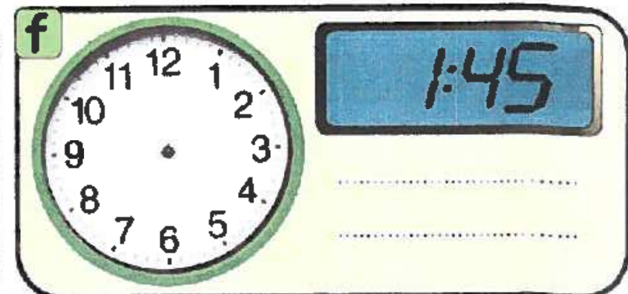


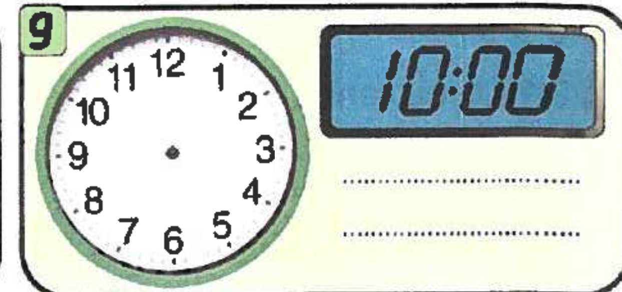


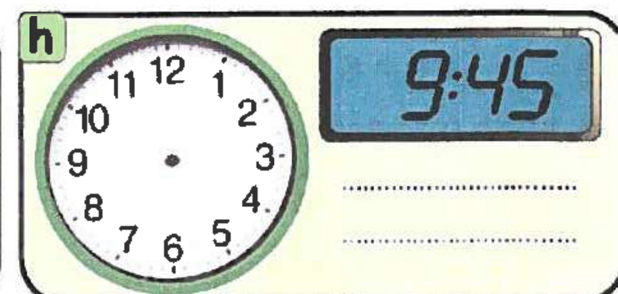


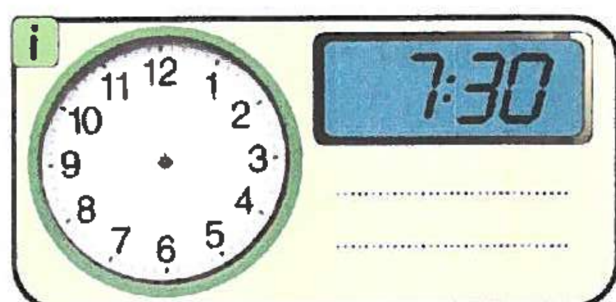












j

4:15



First Choose the correct answer

a) 2 hours and a half = ... minutes (90 or 120 or 150)

b) 72 ÷ ...... = 9 (8 or 7 or 9)

c) The value of the digit 6 in the number 36 987 is ....
(60 000 or 6 000 or 600)

d) 9 + 9 = ... (6 X 3 or 9 + 2 or 9 X 9)

e) 310 thousands + 5 hundreds + 15 ones = ...
(310 605 or 310 155 or 310 515)

Second Complete the following

a) 100 minutes = ... hours + ... minutes

b) 6 X 6 = ... + ... + ... + ...

c) ...... ÷ 9 = 6

d) Nine hundred and nine thousands = ...

e) ☆☐ , ☆☐ , ☆☐ , ... , ...

Third Answer the following

a) Find the result :

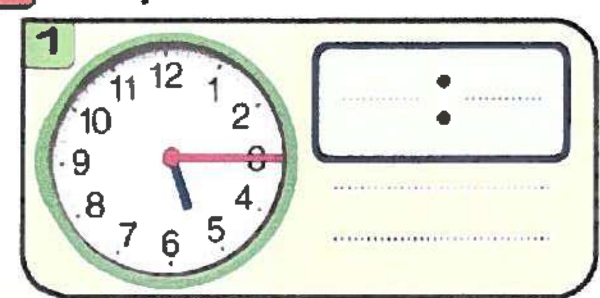
(1) 5 687 + 223 = ... (2) 6 ⟌ 42 (......) (3) $\frac{64}{8}$ = ...

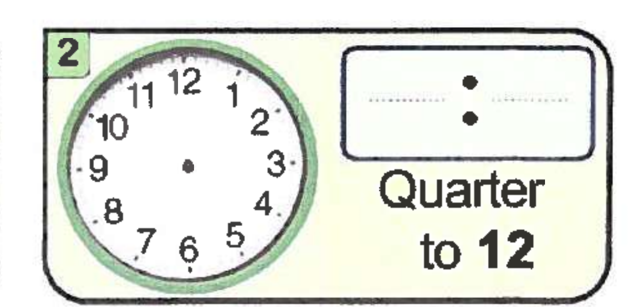
b) Arrange the following numbers in an ascending order .

99 999 , 10 000 , 98 765 , 100 000 , 10 234

.... , ... , ... , ... , ...

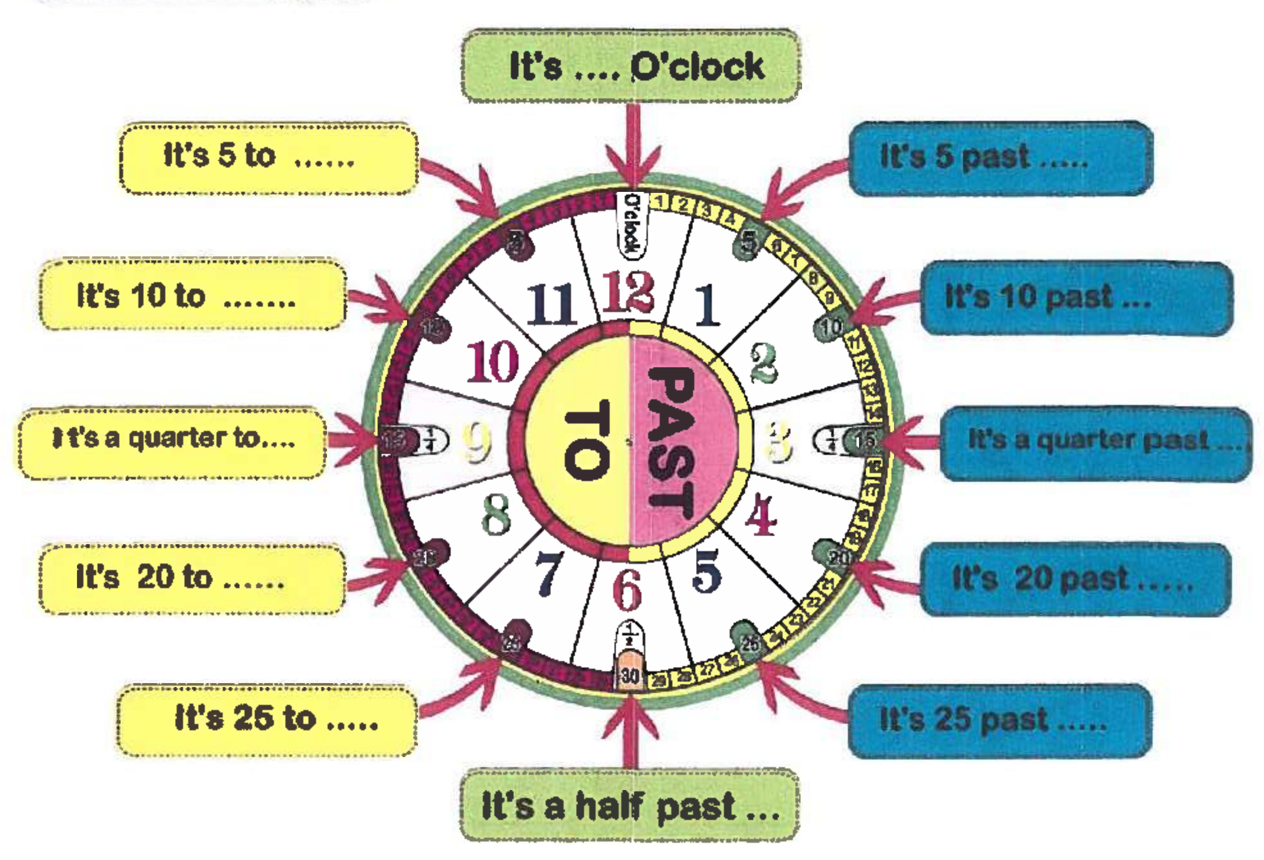
c) Complete :





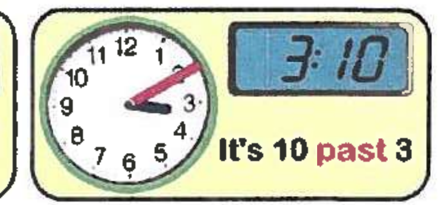


Telling the time







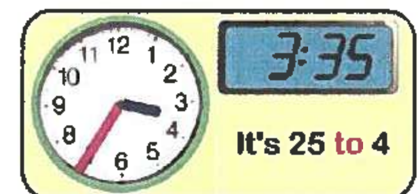




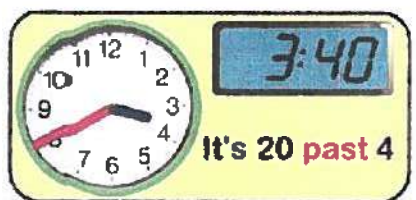




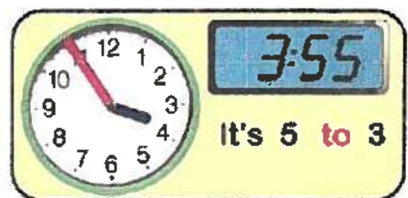




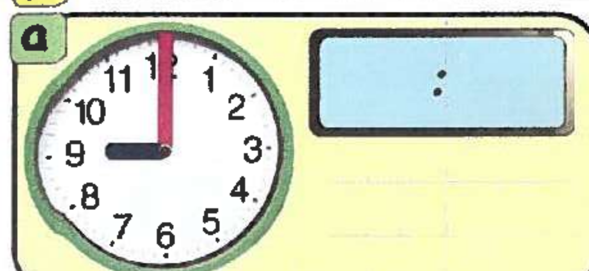


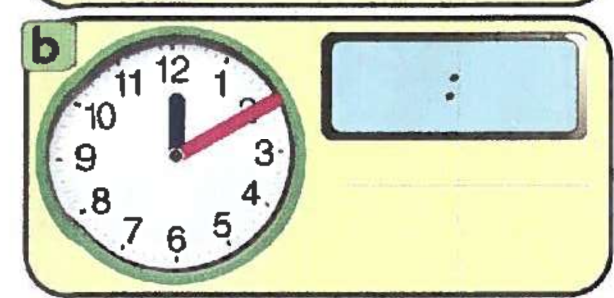


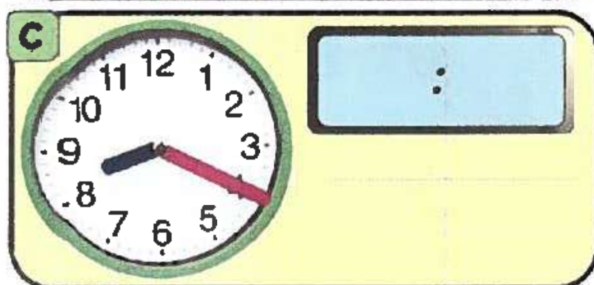


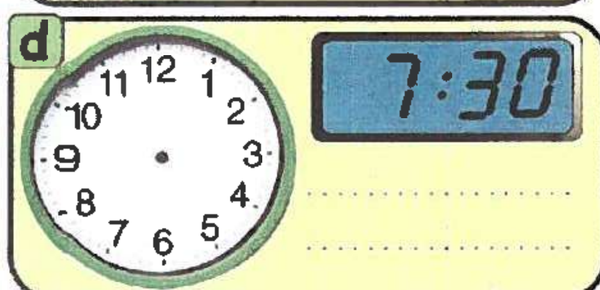


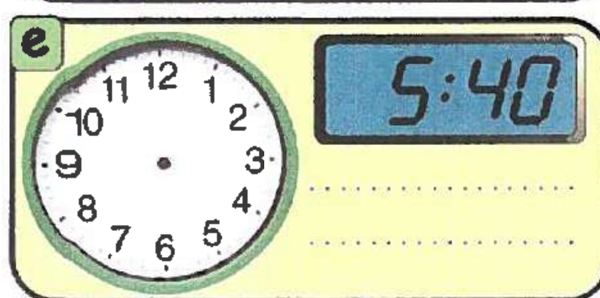
1 Write the time shown by the clock :

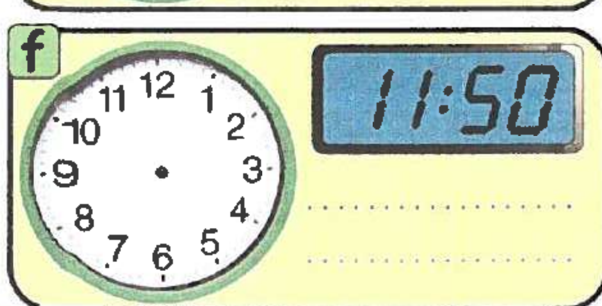


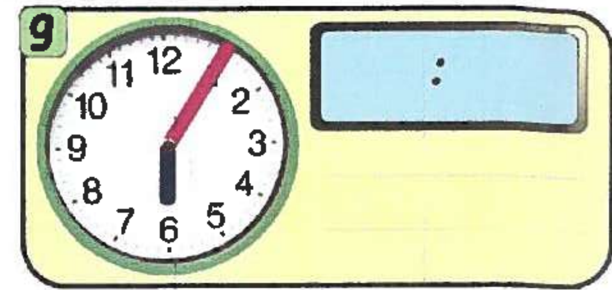


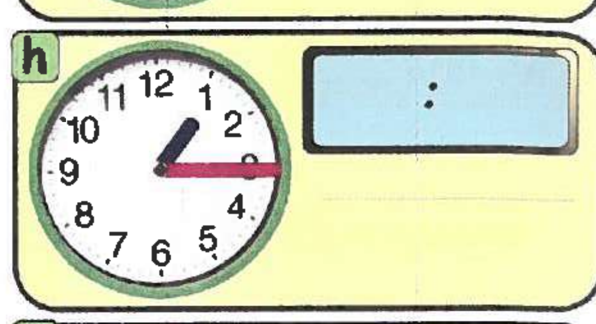


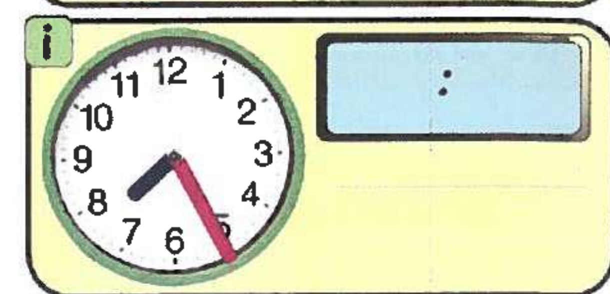


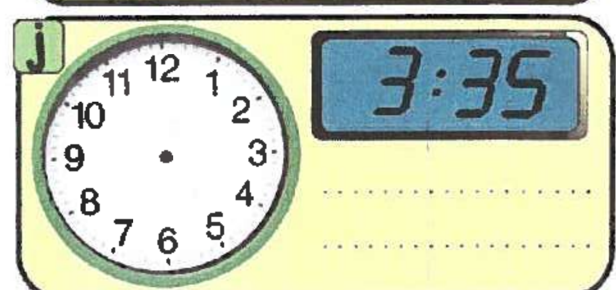


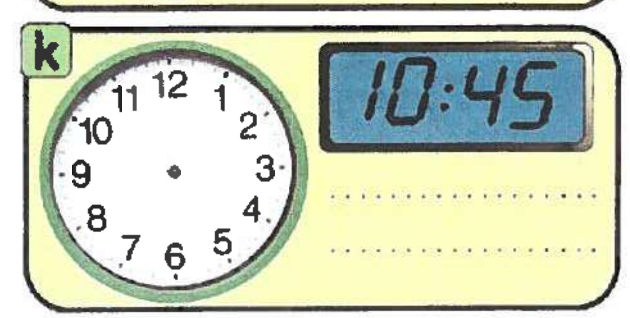








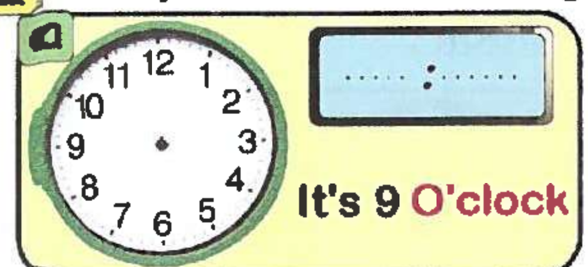


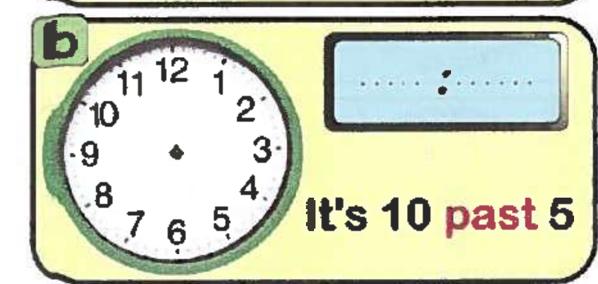


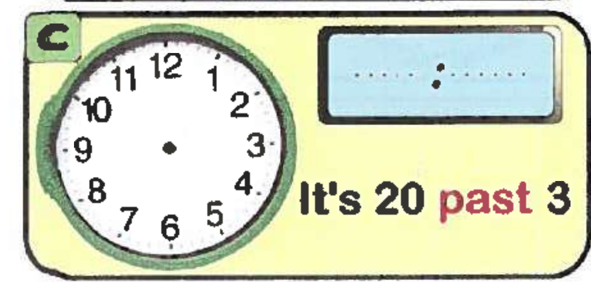
l

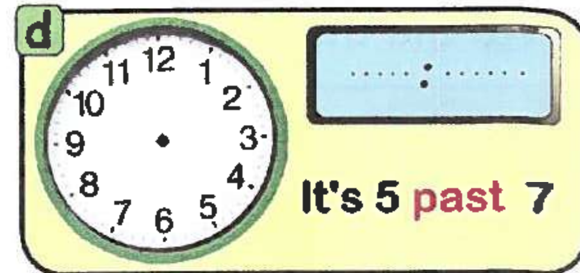
12:55

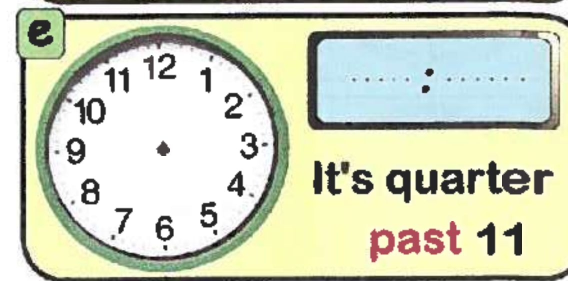
2 Complete the following

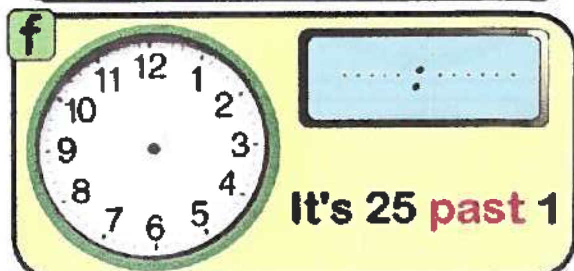






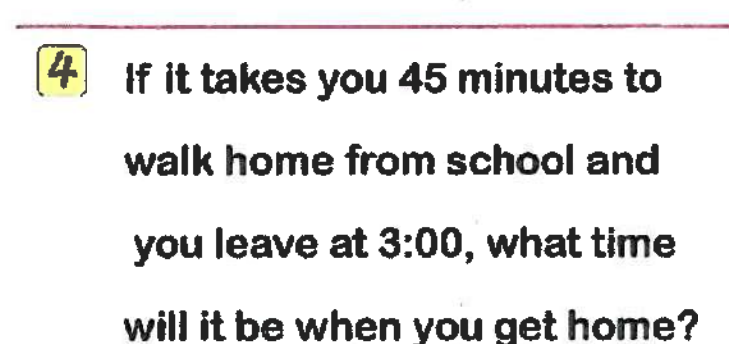




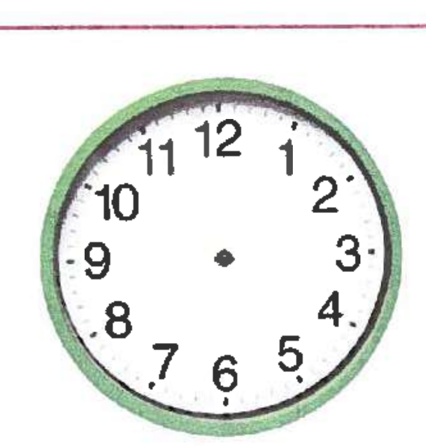


3 You leave school at 3:00 and when you get home the clock looks like this :

How many minutes did it take you to walk home ? ....

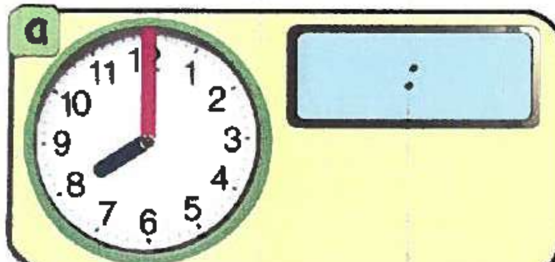


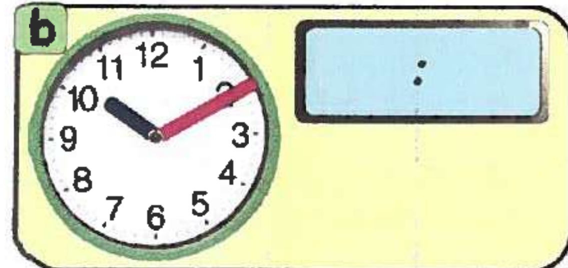
4 If it takes you 45 minutes to walk home from school and you leave at 3:00, what time will it be when you get home? Draw the time on the clock.

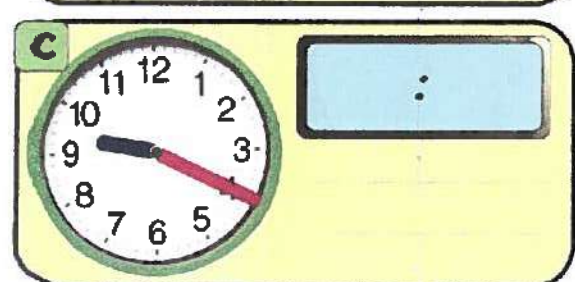


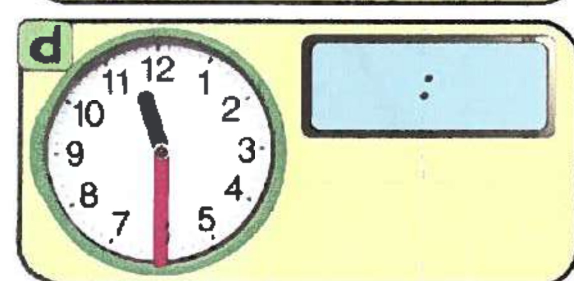


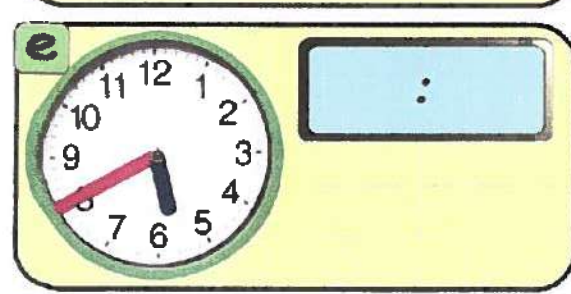
Write the time shown by the clock :

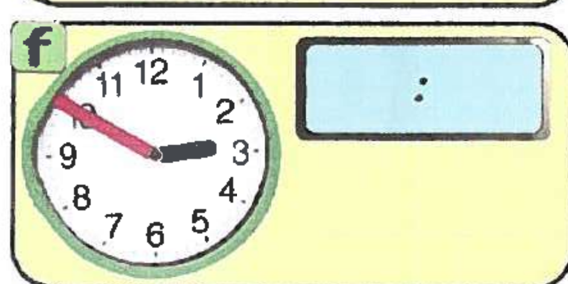


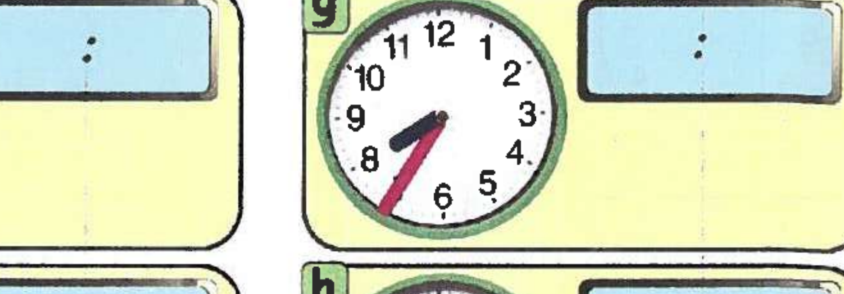


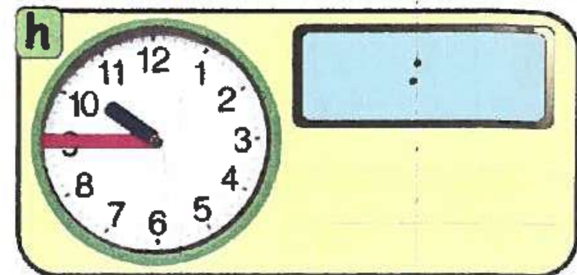


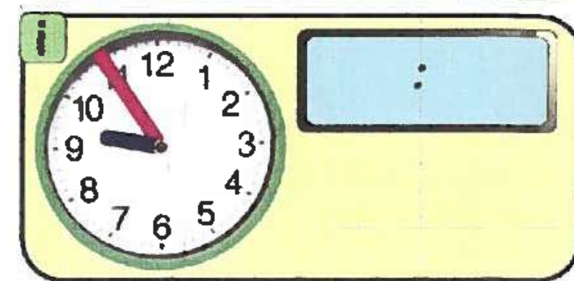


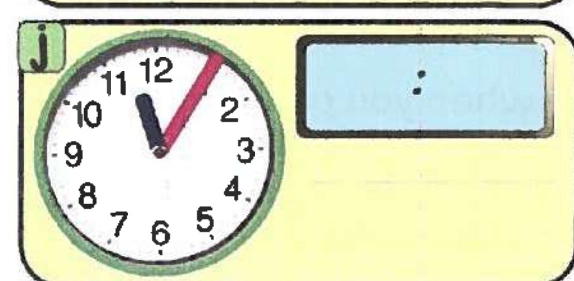


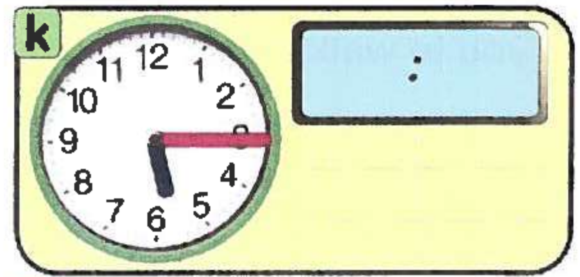


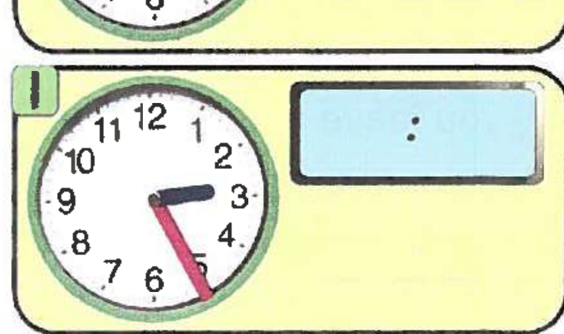




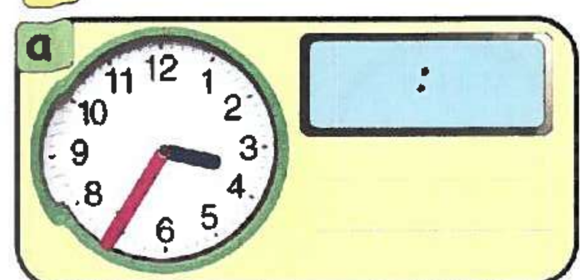


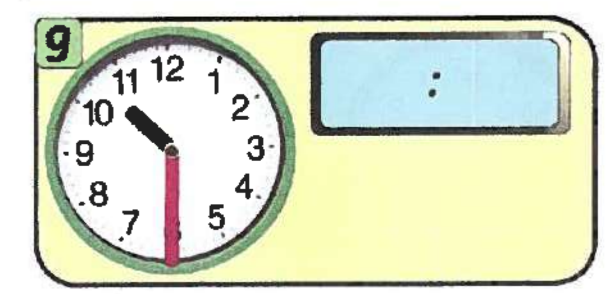


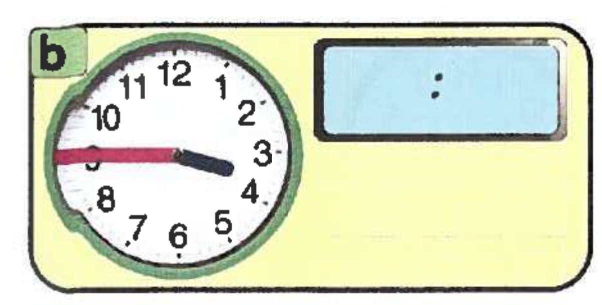


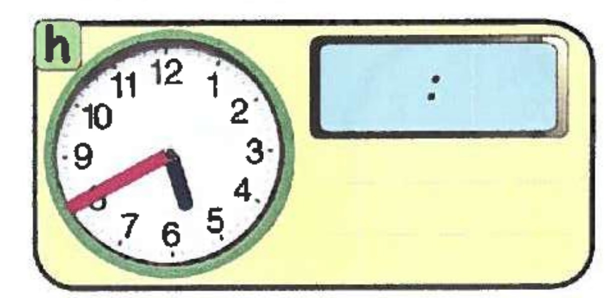


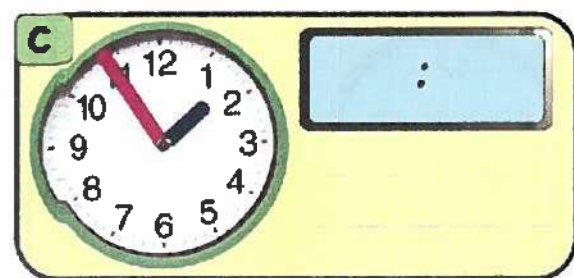
2 Write the time shown by the clock :

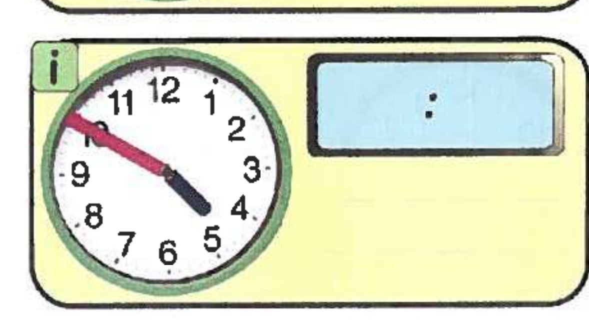
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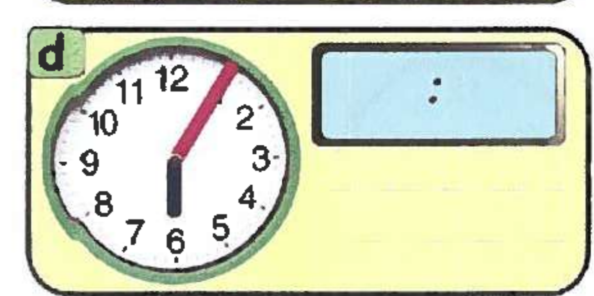
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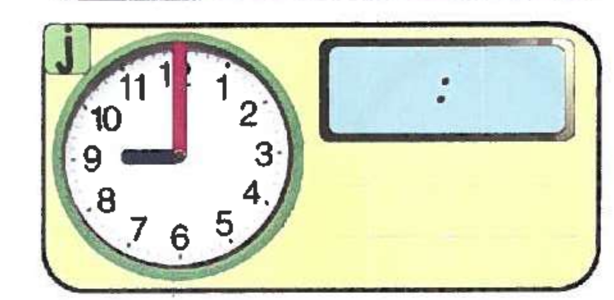
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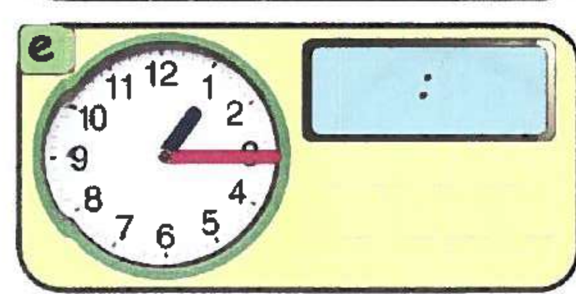
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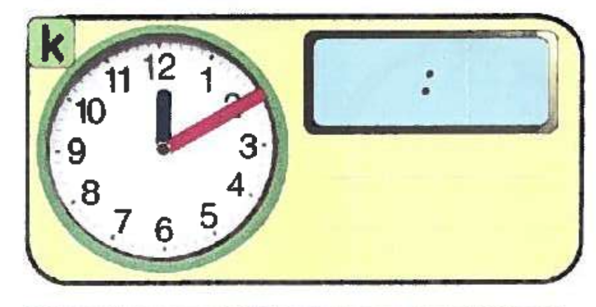
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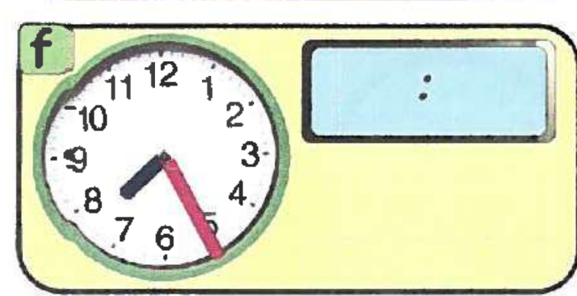
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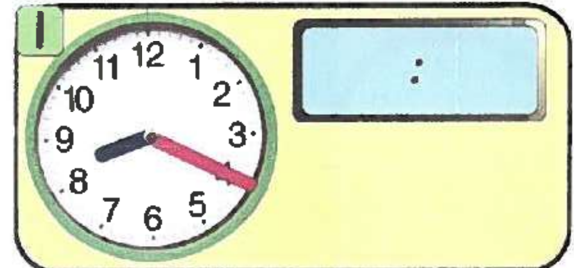
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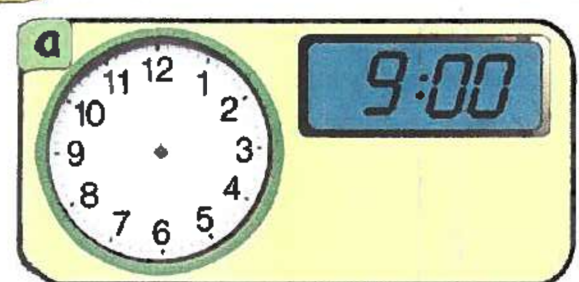
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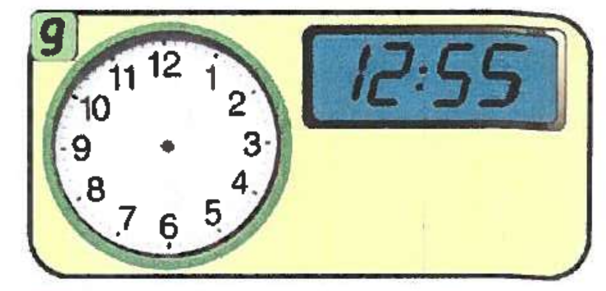
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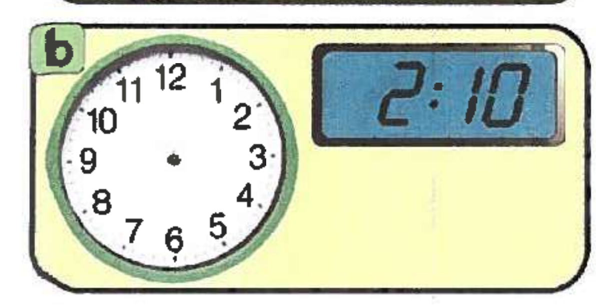
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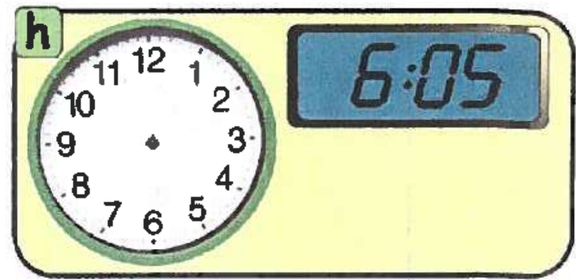
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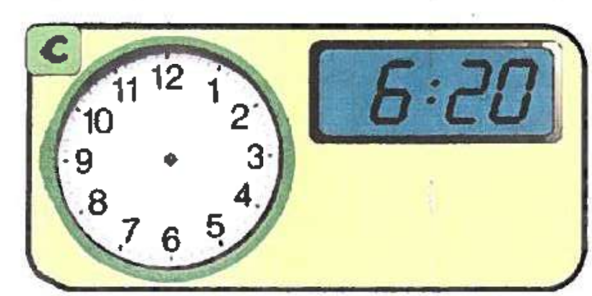
3 **Write the time shown by the clock :**

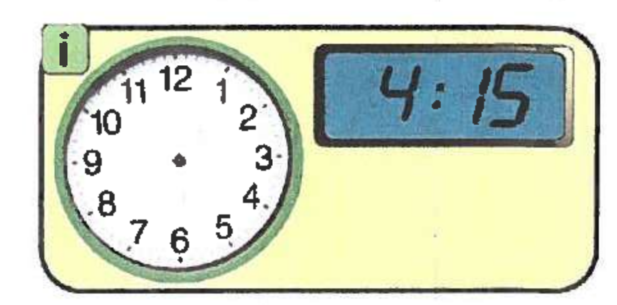
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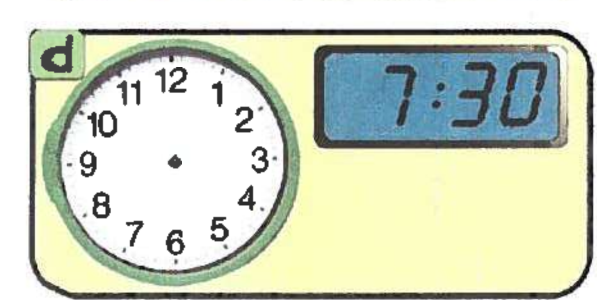
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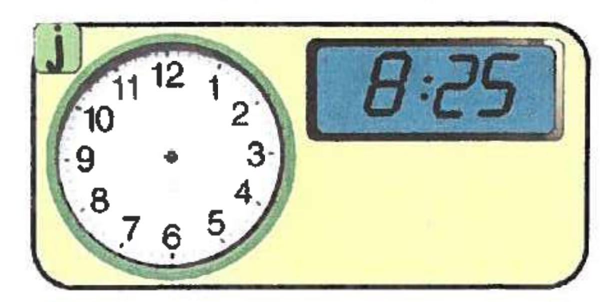
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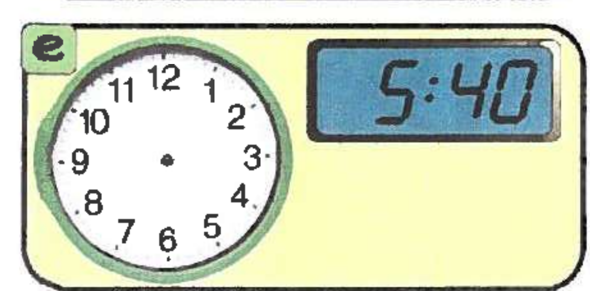
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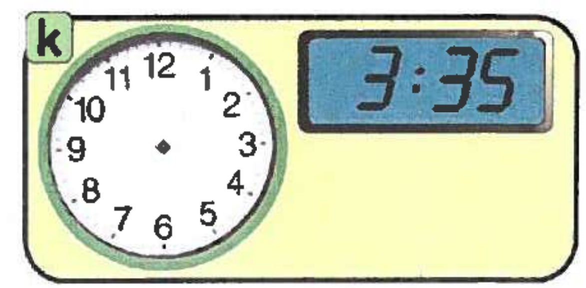
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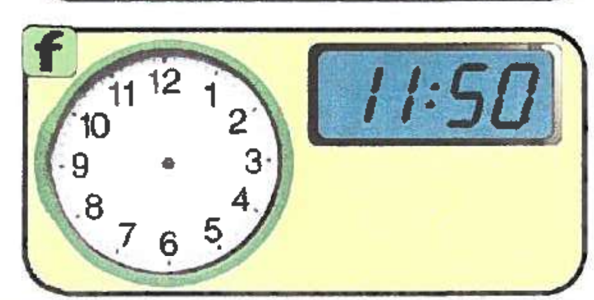
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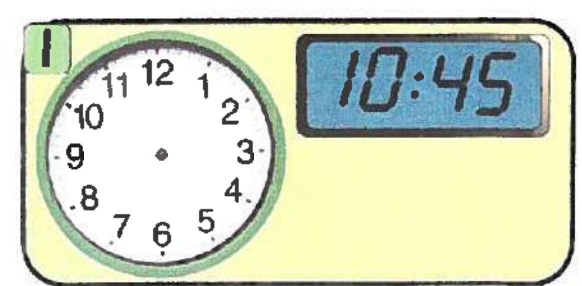
d


j


e


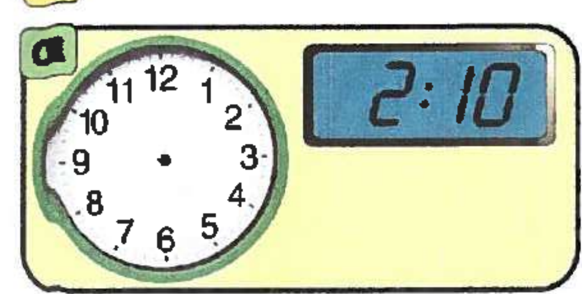
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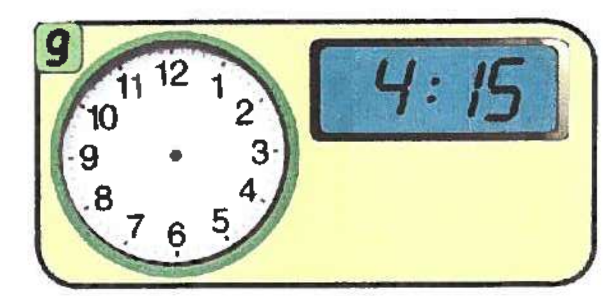
f


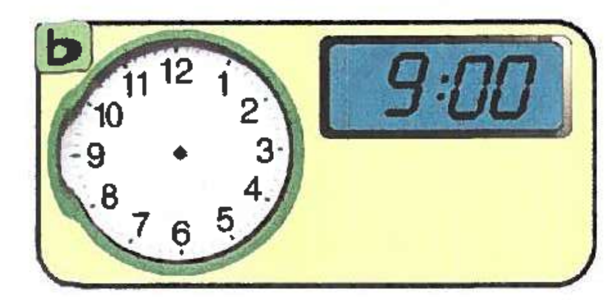
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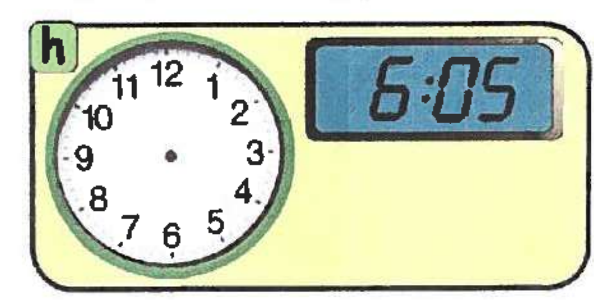


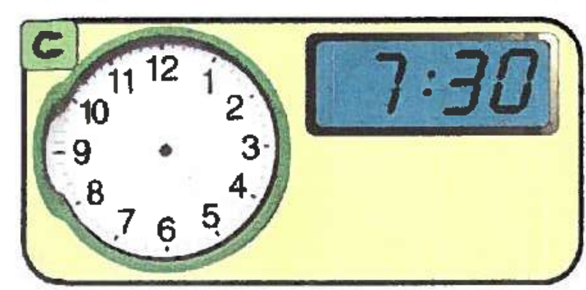
4 Write the time shown by the clock :

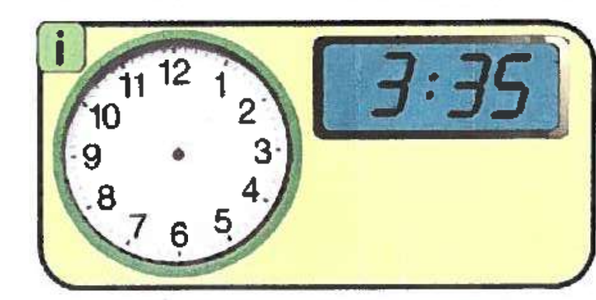


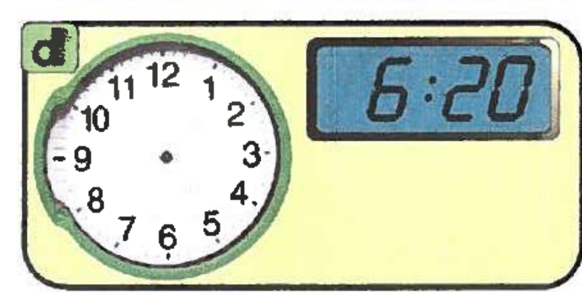


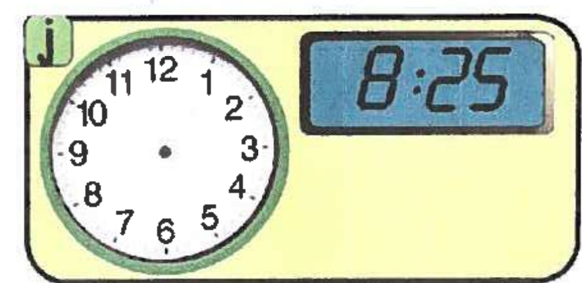


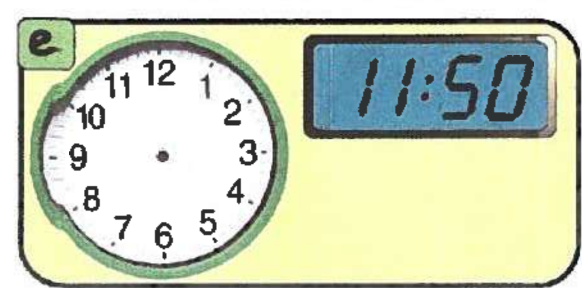


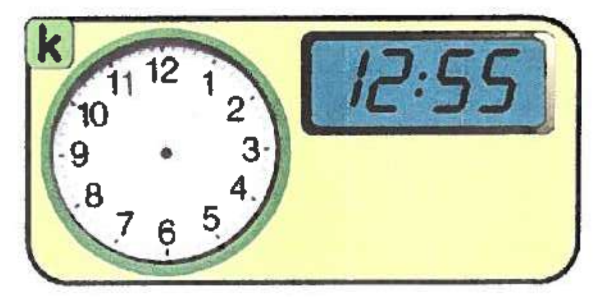


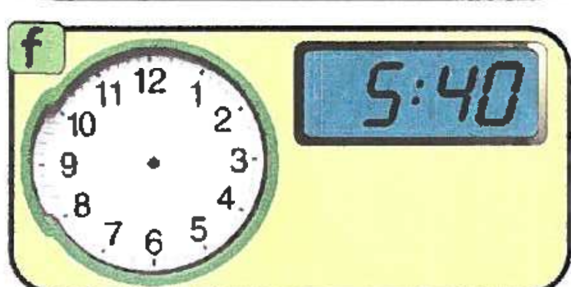


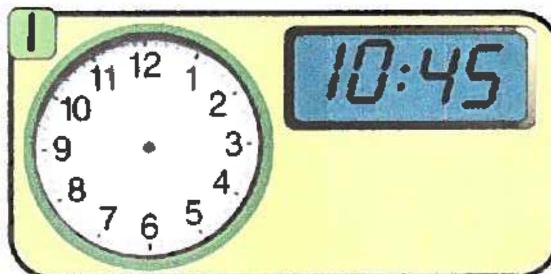




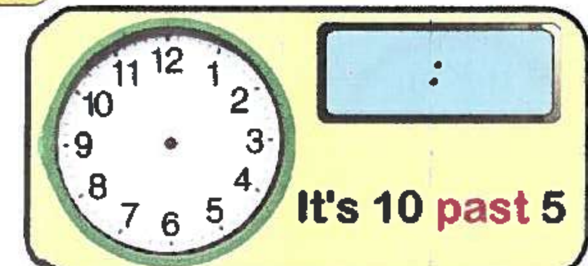


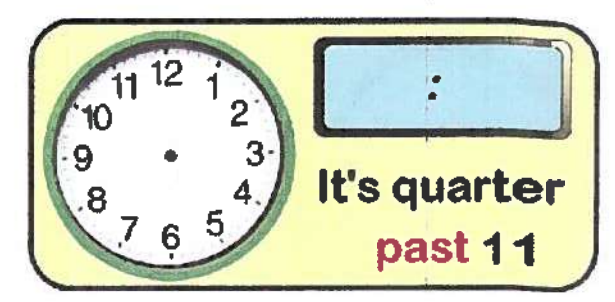


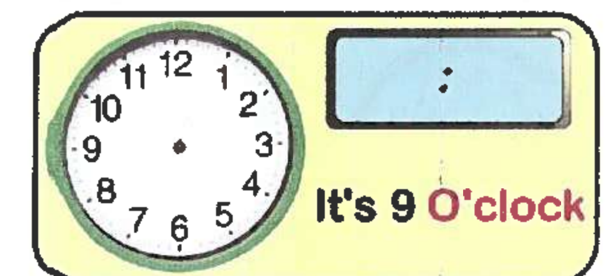


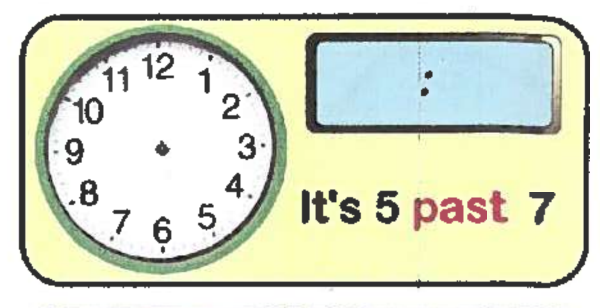


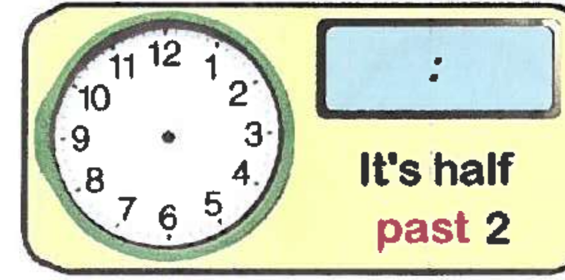
5 Complete the following

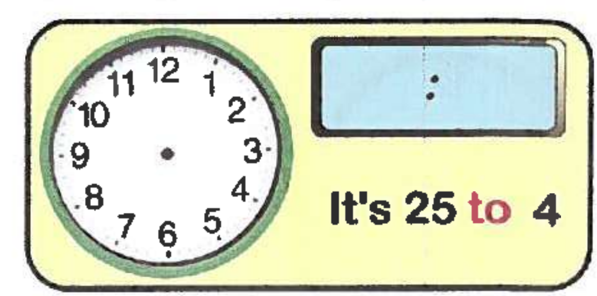




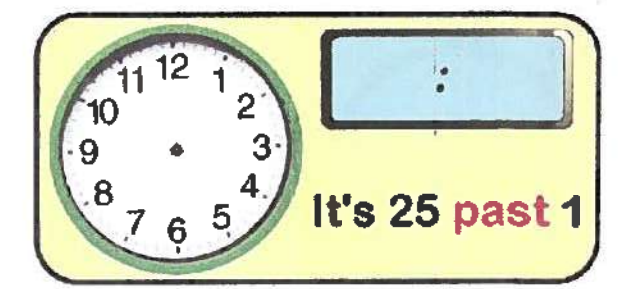


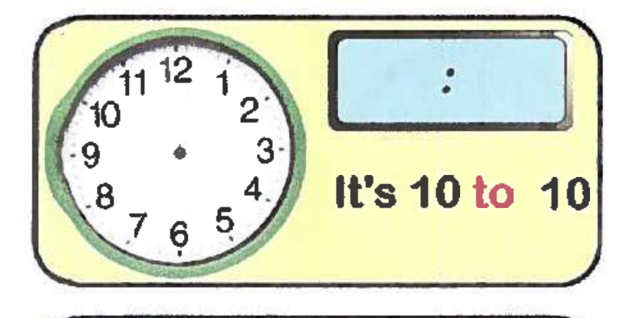


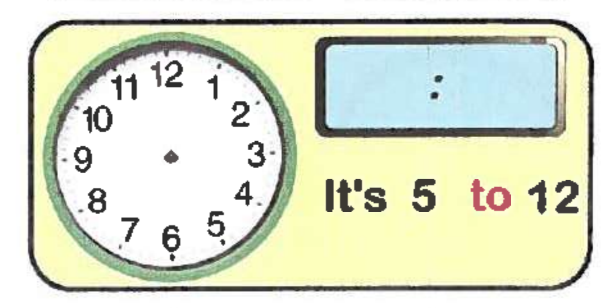


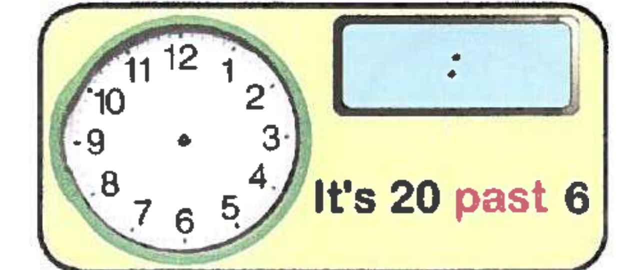


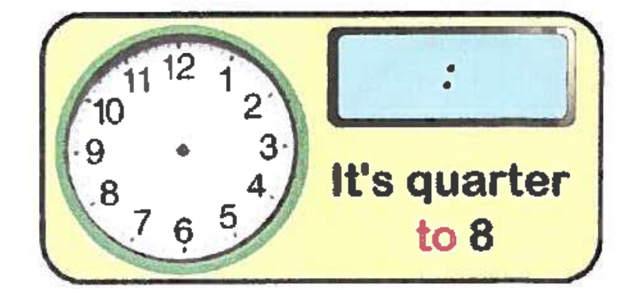












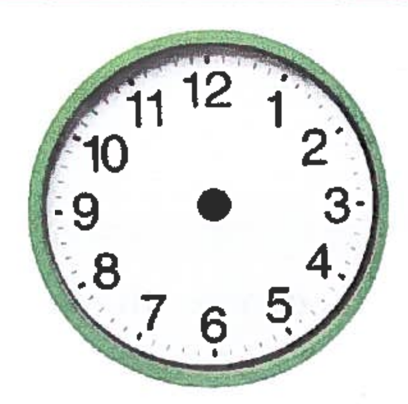
6 You leave school at 3:00 and when you get home the clock looks like this :

How many minutes did it take you to walk home ? ....



7 If it takes you 45 minutes to walk home from school and you leave at 3:00, what time will it be when you get home?

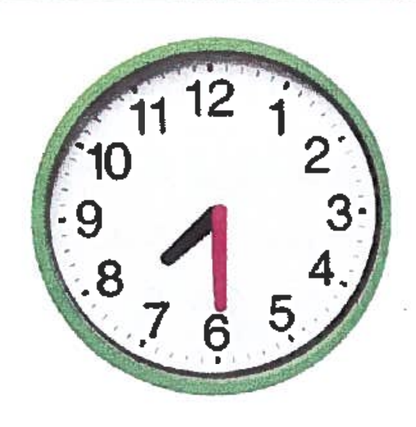
Draw the time on the clock.



8 Your mom puts muffins in the oven at 7:00.

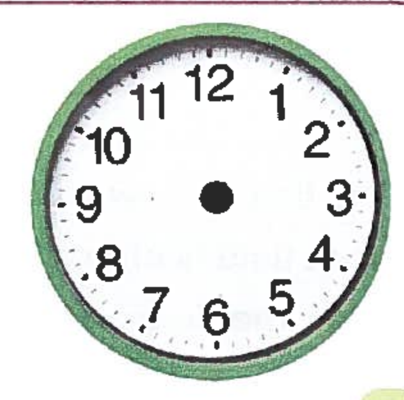
When you take them out, the clock looks like this:

How many minutes did it take to bake the muffi ns? ....



9 If Ahmed takes 30 minutes to go to the club from home and leave at 8:00, at any time will he be when he arrives at the club?

Draw the time on the clock.





First Choose the correct answer

a) 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = ····· (3 X 3 or 3 + 8 or 4 X 6)

b) 720 072 = 72 + ····· (720 000 or 7 200 or 720)

c) 50 X 8 = 10 X ····· (400 or 40 or 4)

d) The value of the digit 3 in the number 35 689 is ··············· (300 000 or 30 000 or 3 000)

e) The largest 5-digit number is ··············· (10 000 or 98 765 or 99 999)

Second Complete the following

a) The number that comes right after 60 099 is ················

b) 8 X 5 + 8 X 10 = 8 X ···············

c) An hour + 40 minutes = ········· minutes

d) ········ ÷ 8 = 6

e) 60 020 (In word form) : ··

Third Answer the following

a) Arrange the following numbers in an ascending order .

2 458 , 6 854 , 8 214 , 1 024 , 4 325

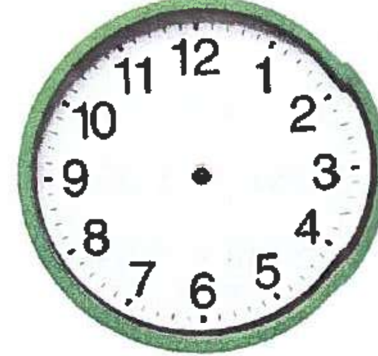
············, ············, ············, ············, ············

b) Each T-shirt costs LE 70 , How much do 9 T-shirts cost ?

··

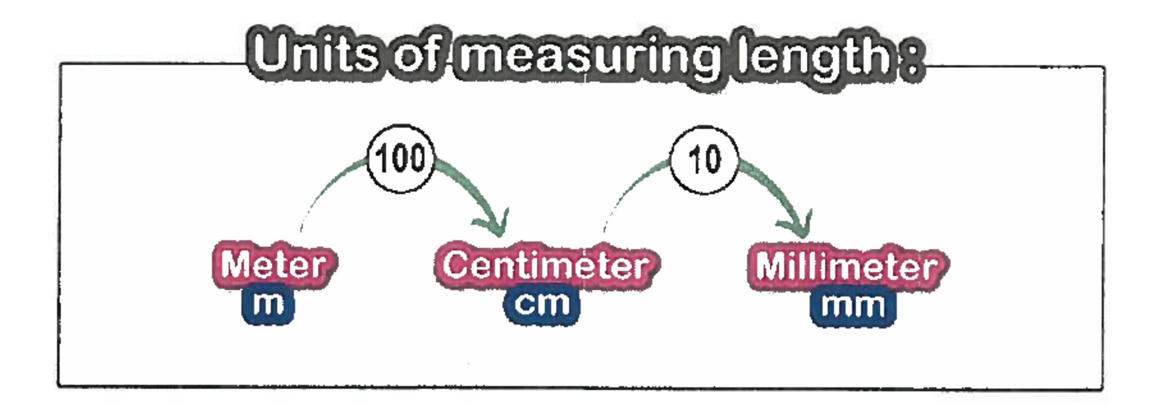
··

c) The time is now 7:00,
what time is after 40 minutes
Draw the time on the clock.





The length



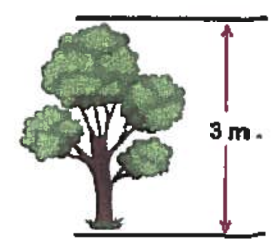
Millimeter (mm.) is used to measure very small things, such as small insects

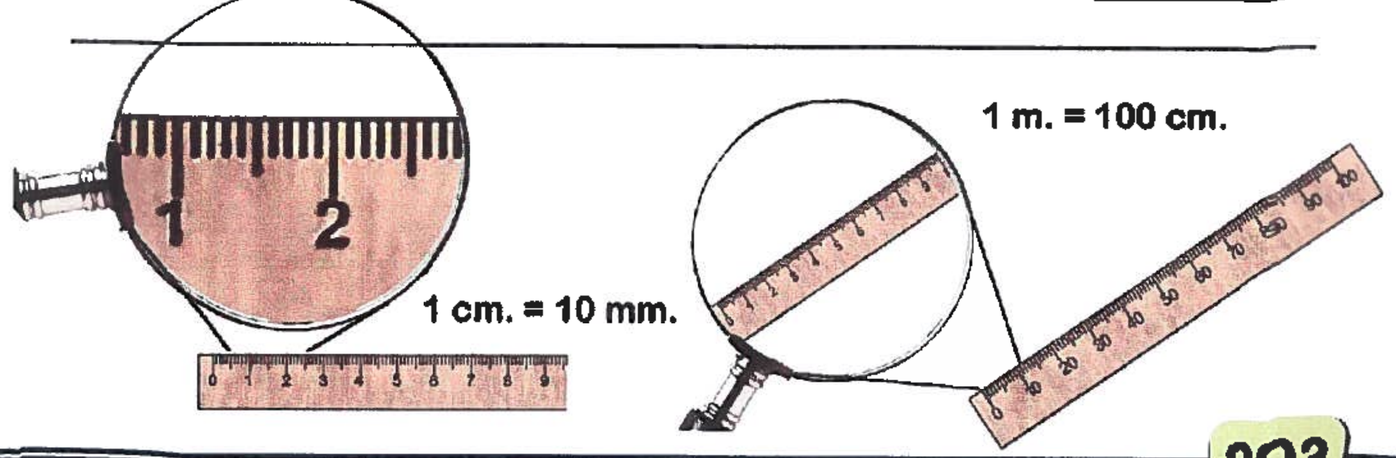


Centimeter (cm.) is used to measure small things, such as pens and books ...

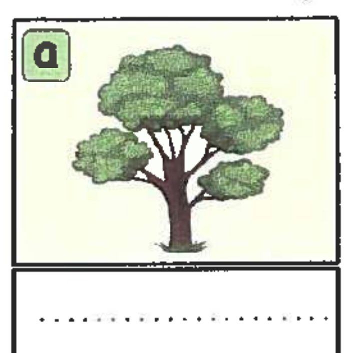


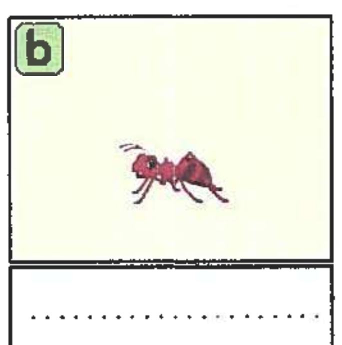
Meter (m.) is used to measure tall objects, such as trees and buildings ...

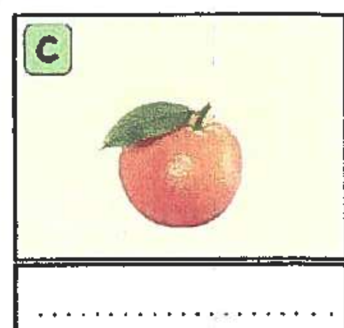


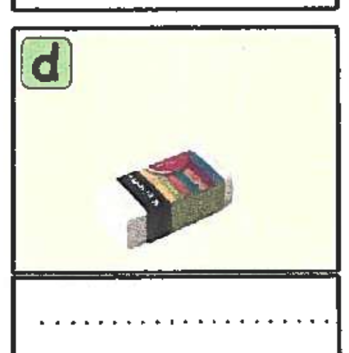


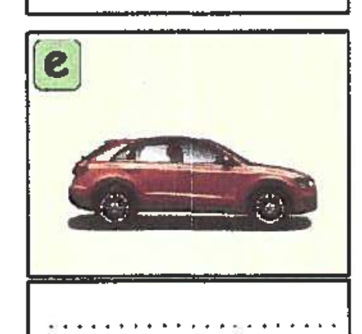
1 See the pictures below. Determine what is the appropriate unit of length for measuring these things :
[millimeter (mm) , centimeter (cm) or meters (m).]
Then write it under the picture

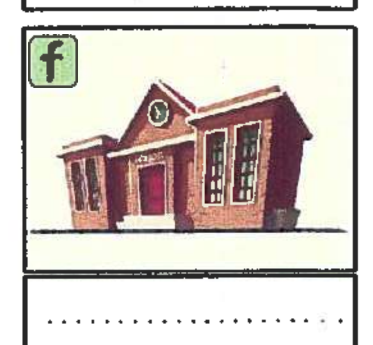
a

....

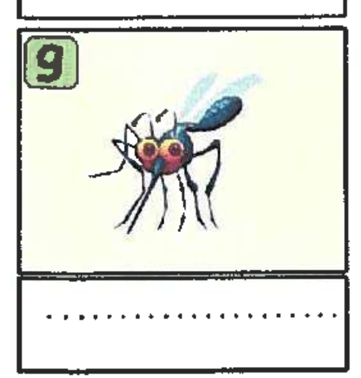
b

....

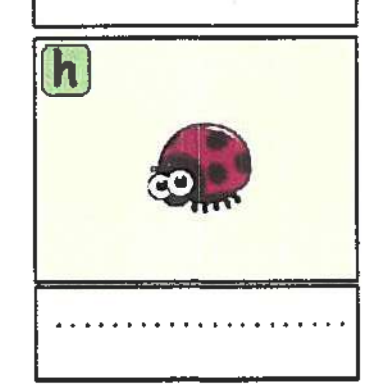
c

....

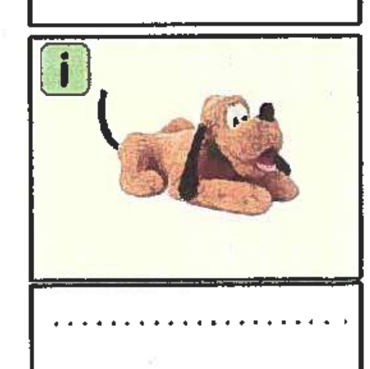
d

....

e

....

f

....

g

....

h

....

i

....

2 **Complete :**

a) 5 cm = ... mm.

c) 7 m = ... cm

b) 60 mm = ... cm

d) 700 cm = ... m.

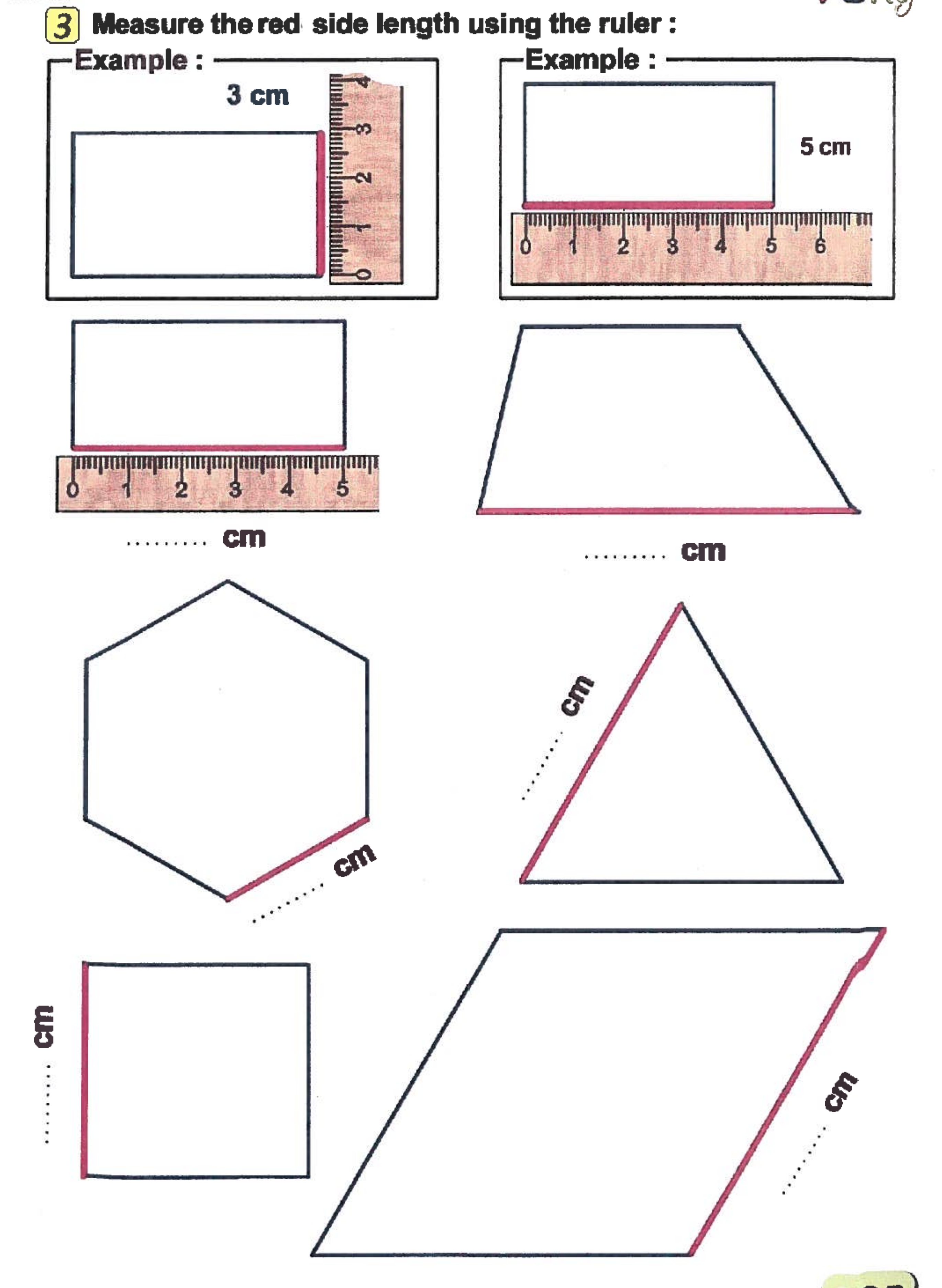
e) 8 cm + 5 mm = ... + ... = ... mm.

f) 5 m + 40 cm = ... + ... = ... cm .

g) 162 mm = ... cm + ... mm.

h) 270 cm = ... m + ... cm .

3 **Measure the red side length using the ruler :**





1 See the pictures below. Determine what is the appropriate unit of length for measuring these things :
[millimeter (mm) , centimeter (cm) or meters (m).]
Then write it under the picture

a	b	c	d
....	....	....	....

e	f	g	h
....	....	....	....

i	j	k	l
....	....	....	....

m	n	o	p
....	....	....	....

2 Complete :

(1) 4 cm = ... mm.

(2) 5 cm = ... mm.

(3) 10 cm = ... mm.

(4) 80 mm = ... cm

(5) 60 mm = ... cm

(6) 600 mm = ... cm

(7) 700 mm = ... cm

(8) 6 m = ... cm

(9) 7 m = ... cm

(10) 12 m = ... cm

(11) 200 cm = ... m.

(12) 700 cm = ... m.

(13) 5 000 cm = ... m.

(14) 4 000 cm = ... m.

(15) 8 cm + 5 mm = ... + ... = ... mm.

(16) 6 cm + 7 mm = ... + ... = ... mm.

(17) 12 cm + 8 mm = ... + ... = ... mm.

(18) 5 m + 40 cm = ... + ... = ... cm .

(19) 2 m + 25 cm = ... + ... = ... cm .

(20) 20 m + 12 cm = ... + ... = ... cm .

(21) 67 mm = ... cm + ... mm.

(22) 95 mm = ... cm + ... mm.

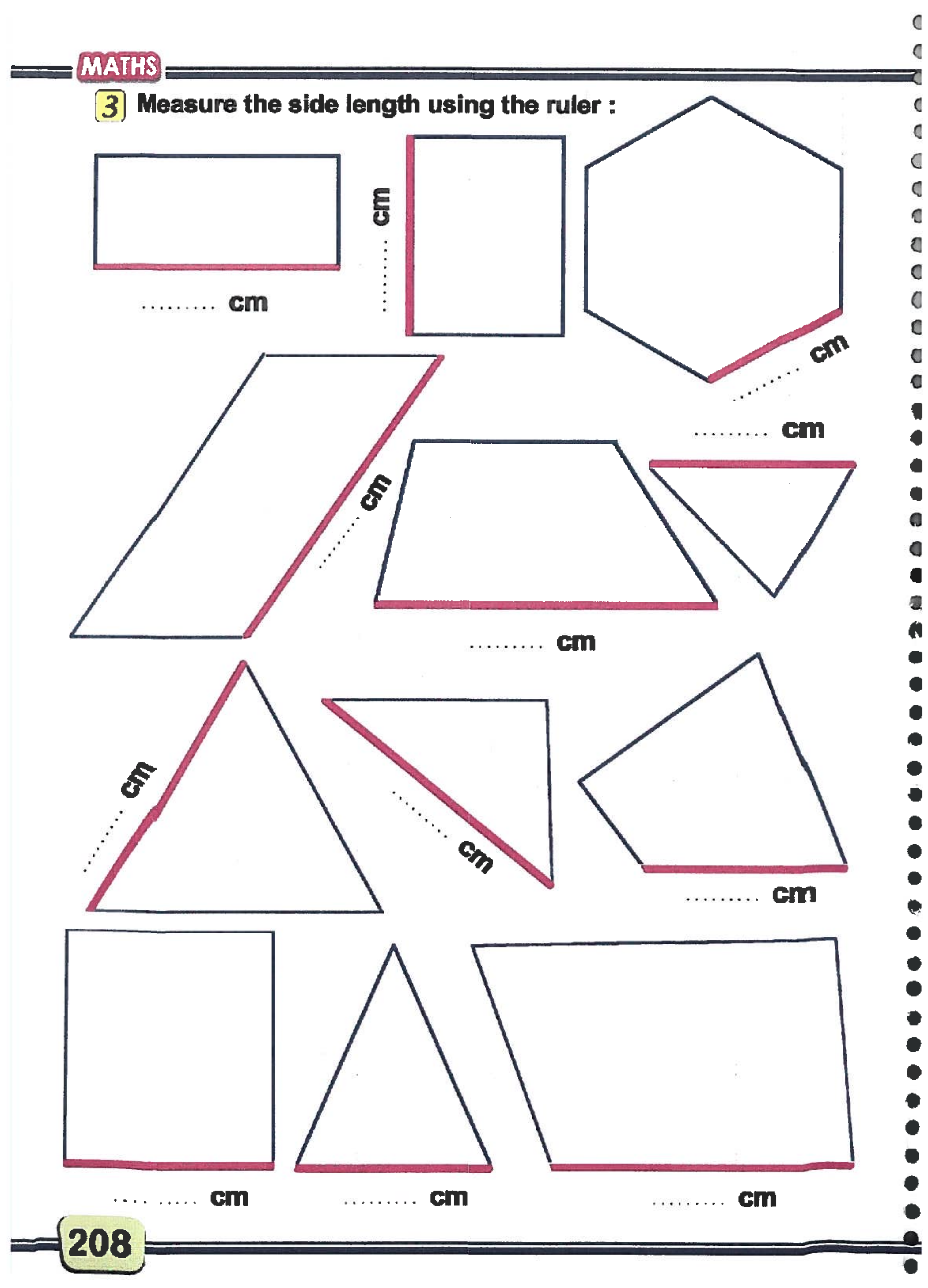
(23) 162 mm = ... cm + ... mm.

(24) 225 cm = ... m + ... cm.

(25) 270 cm = ... m + ... cm.

(26) 4 550 cm = ... m + ... cm.

3 Measure the side length using the ruler :





Sheet 3

First Choose the correct answer

a) 10 cm + 5 mm = ... mm (105 or 15 or 1 005)

b) 15 m = ... cm. (15 or 150 or 1 500)

c) 500 + 0 + 0 + 6 = ... (500 006 or 50 006 or 506)

d) The number comes right after 30 999 is .... (31 000 or 30 100 or 31 999)

e) The largest 5-different- digit number is .... (99 999 or 98 765 or 10 234)

Second Complete the following

a) 205 cm = ... m + ... cm

b) 15 204 = ... thousands + ... hundreds + ... tens + ... ones

c) The value of the digit 0 in the number 30 159 is ....

d) Two hundred thousand and two (In digits) : ....

e) □○ , □○ , □○ , ... , ...

Third Answer the following

a) Find the result :

(1) 859 + 141 = ... (2) 700 - 125 = ... (3) 45 ÷ 5 = ...

b) Complete using (< , = or >) :

(1) 50 m + 25 cm □ 525 cm (2) 6 X 6 □ 9 X 4

(3) 8 cm + 5 mm □ 805 cm (4) 18 ÷ 2 □ 42 ÷ 7

c) Arrange the following length in an ascending order :

5 cm , 50 m , 500 mm , 550 cm

.... , ... , ... , ...

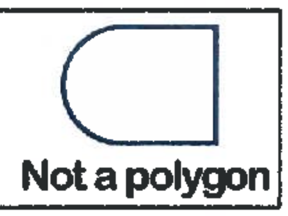


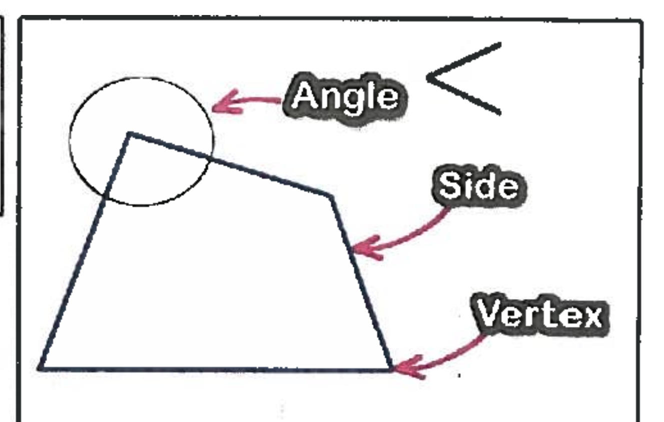
Two-dimensional shapes
(2D-shapes)

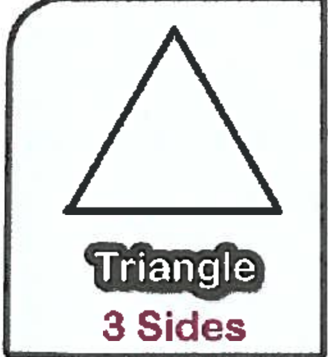
Polygon

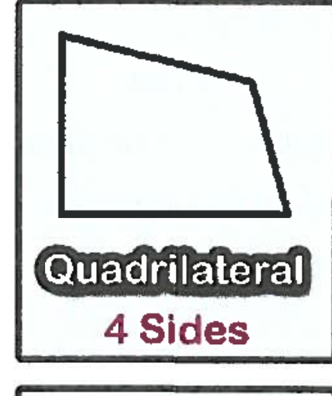
A closed shape formed from 3 line segments or more.


A polygon


Not a polygon

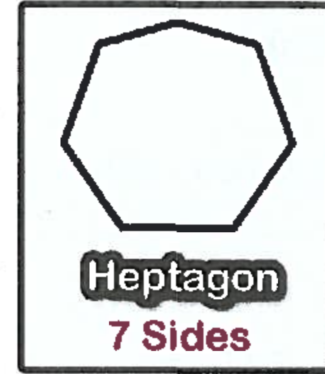



Triangle
3 Sides


Quadrilateral
4 Sides


Pentagon
5 Sides

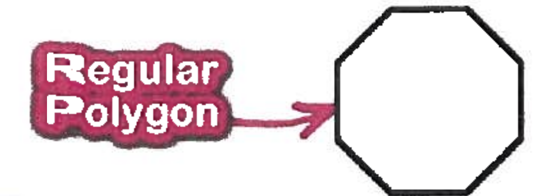

Hexagon
6 Sides


Heptagon
7 Sides


Octagon
8 Sides

In any polygon

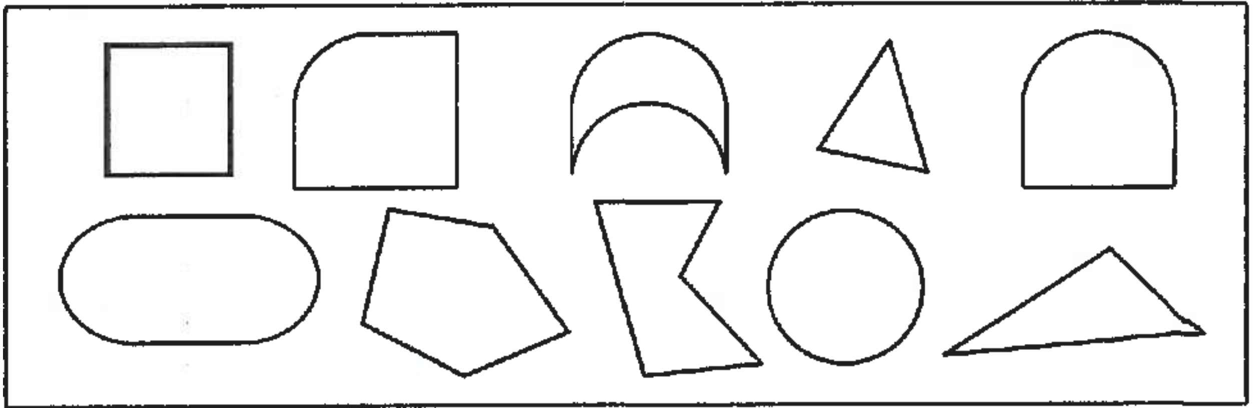
the number of sides = the number of angles = the number of vertices



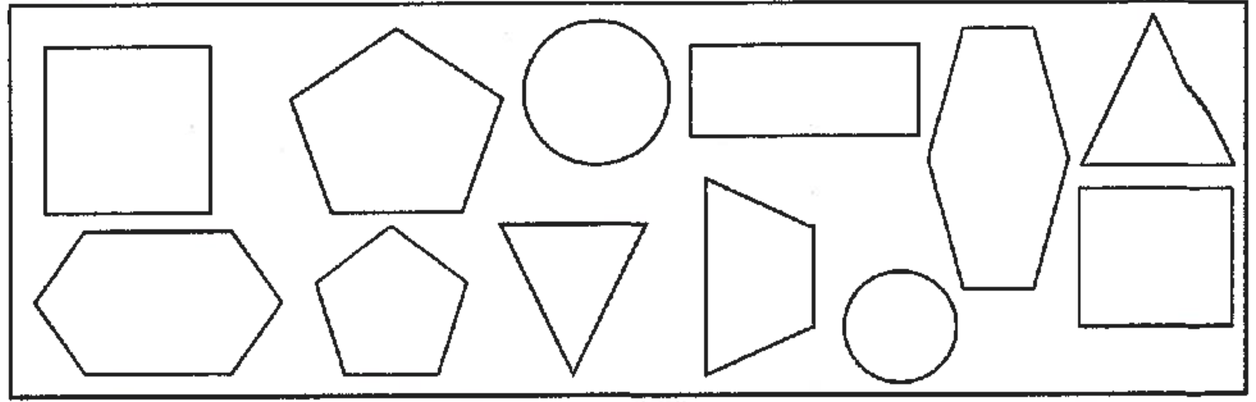


Irregular Polygon

1 Color only polygons :



2 Color The quadrilateral shapes (4 sides) :



3 Draw a shape with 5 sides

4 Draw a shape with 3 sides

5 Complete :

a) The triangle has ..... sides , ... angles and ..... vertices.

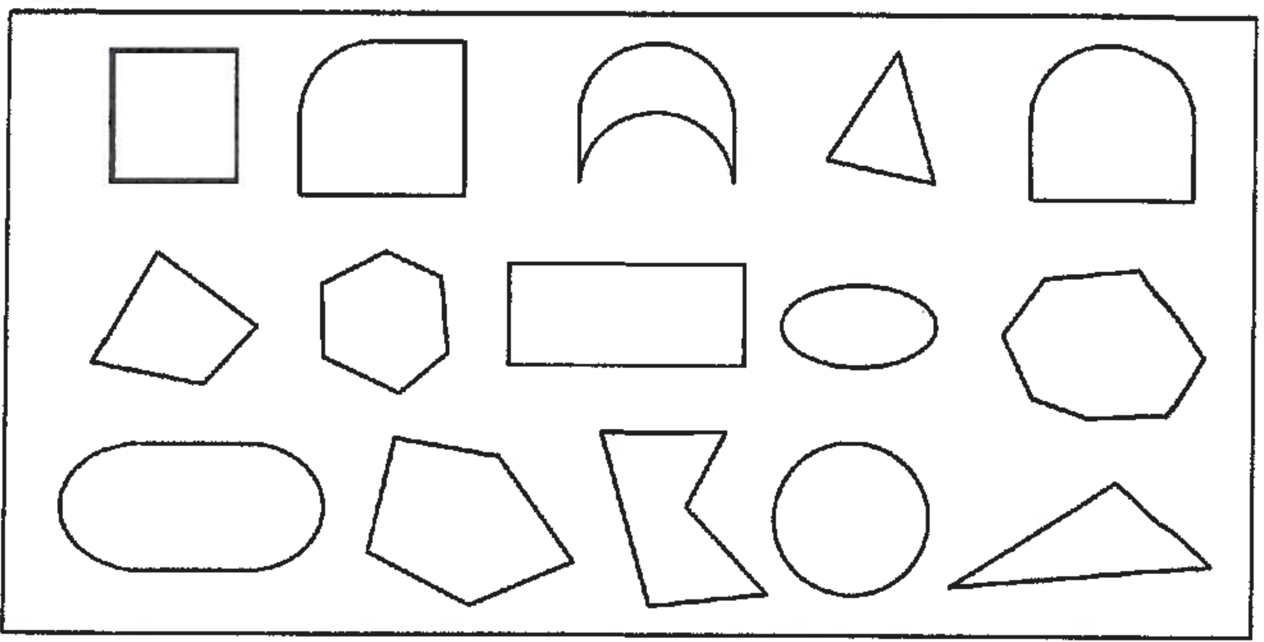
b) The .... has 5 sides and .... has 6 sides.

c) The octagon has ...... angles and the .... has 7 sides.

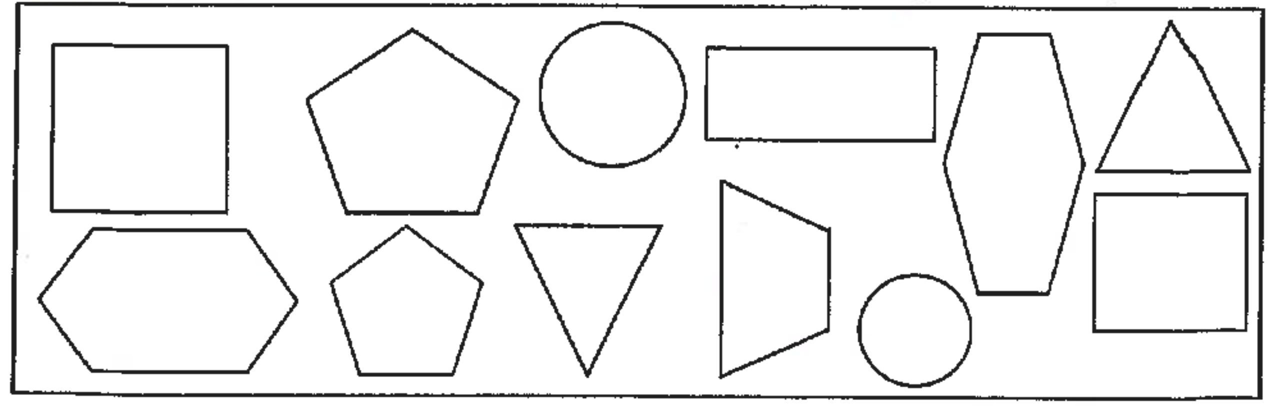
d) The .... is a polygon that has 4 sides



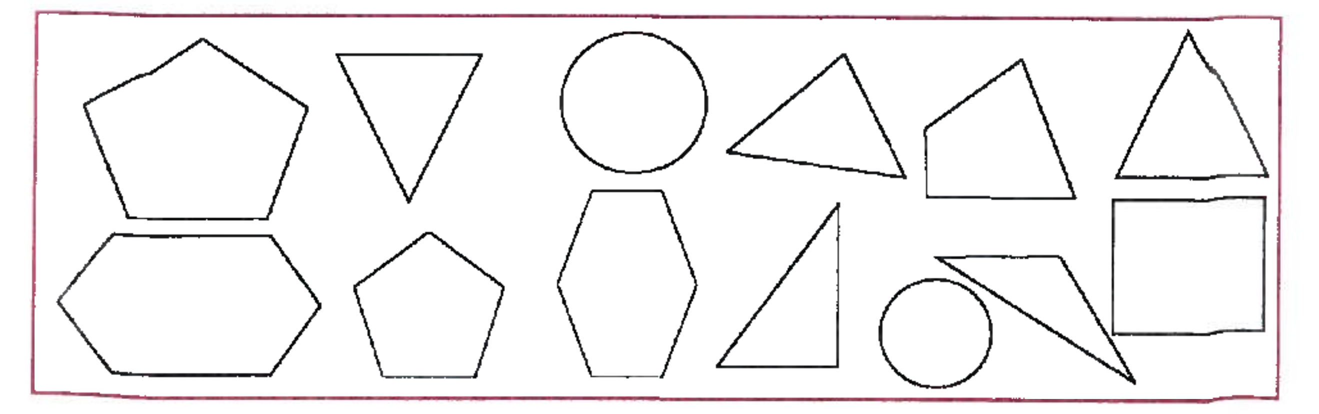
1 Color only polygons :



2 a Color The quadrilateral shapes (4 sides) :

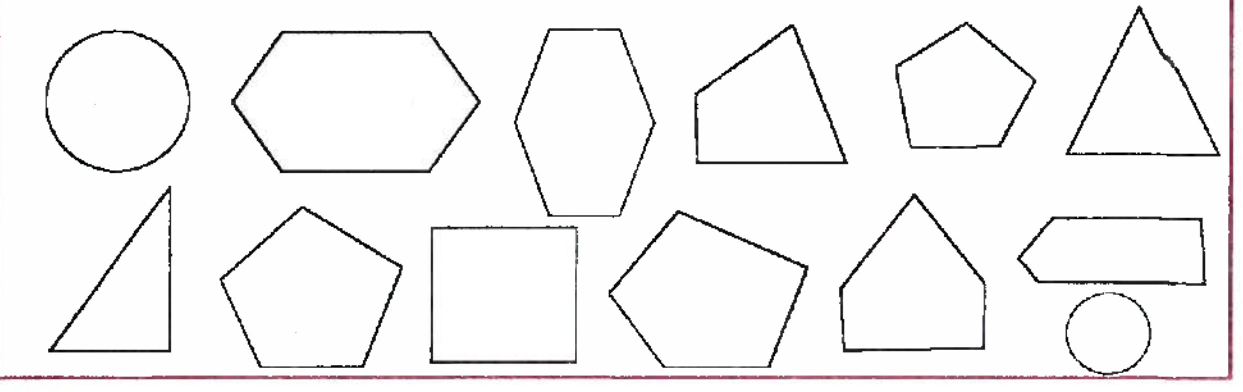


b Color the triangles (3 sides)

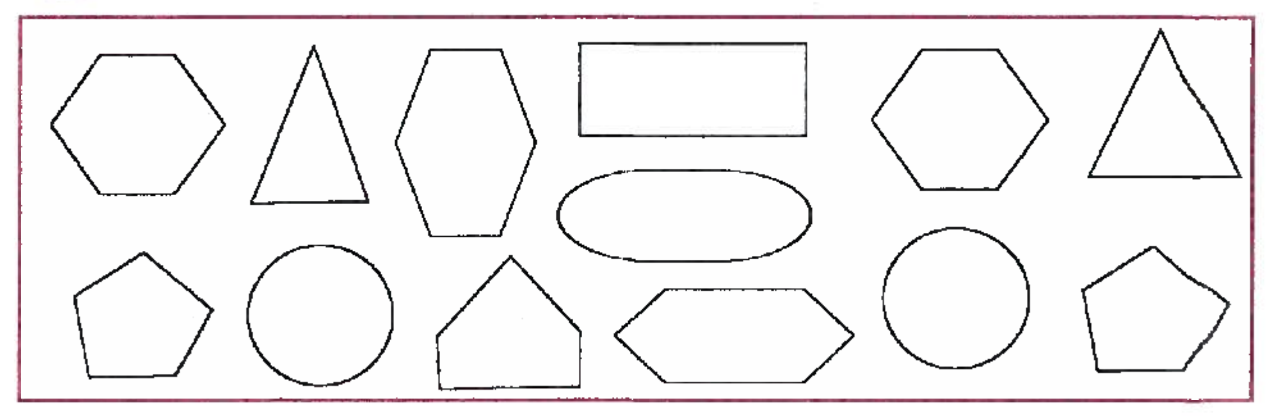




c Color the pentagon (5 sides)



d Color the pentagon (6 sides)



3 Draw a shape with 3 sides

4 Draw a shape with 4 sides

5 Draw a shape with 5 sides

6 Draw a shape with 6 sides

7 Complete :

a) The triangle has ..... sides , ... angles and ..... vertices.

b) The octagon has ..... sides , ... angles and .....vertices.

c) The pentagon has .... sides , ... angles and ..... vertices.

d) The hexagon has ..... sides , ... angles and ..... vertices.

e) The .... has 5 sides and .... has 6 sides.

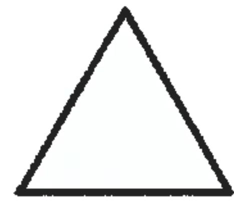
f) The .... has 7 sides and .... has 3 sides.

g) The octagon has ...... angles and the .... has 7 angles

h) The triangle has ...... angles and the .... has 4 angles

---

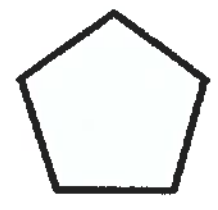
8 Write down the name of each polygon



....



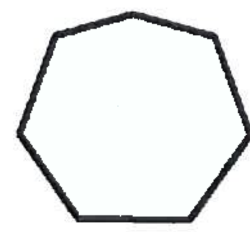
....



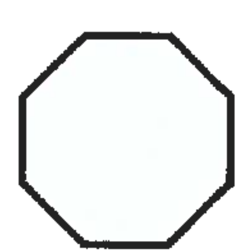
....



....



....



....



First Choose the correct answer

a) 10 thousands + 10 hundreds + 10 tens = ... (101 010 or 11 100 or 10 110)

b) 8 + 8 + 8 + 8 = ... (8 X 8 or 8 + 4 or 8 x 4)

c) The quadrilateral has .... sides (3 or 4 or 5)

d) 50 cm + 5 mm = ... mm (505 or 55 or 10)

e) An hour + 10 minutes = ... minutes (110 or 130 or 70)

Second Complete the following

a) The polygon that has 5 angles is called ....

b) 150 minutes = ... hours + ... minutes .

c) 2015 cm = ... m + ... cm

d) The smallest 5-digit number that can be formed from the digit (3 , 8 and 7) is ....

e) 70 , 63 , 56 , 49 , ... , ... , ...

Third Answer the following

a) Find the result :

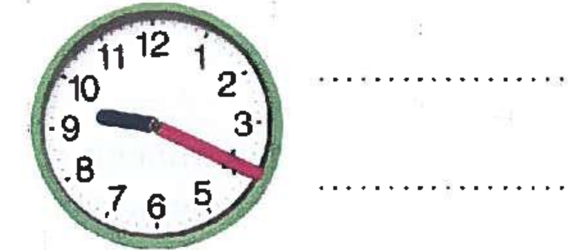
(1) 456 + 234 = ...

(2) 6 000 - 125 = ...

(3) 40 X 8 = ...

(4) 56 ÷ 7 = ...

b) Write the time shown in the clock :



....

....



....

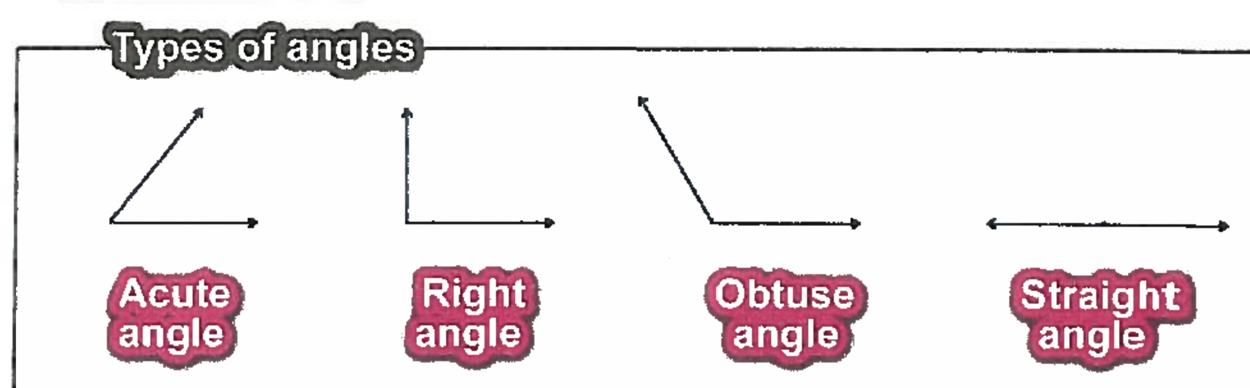
....

c) Each pen cost LE 9 . How many pens can you by for LE 63 ?

....



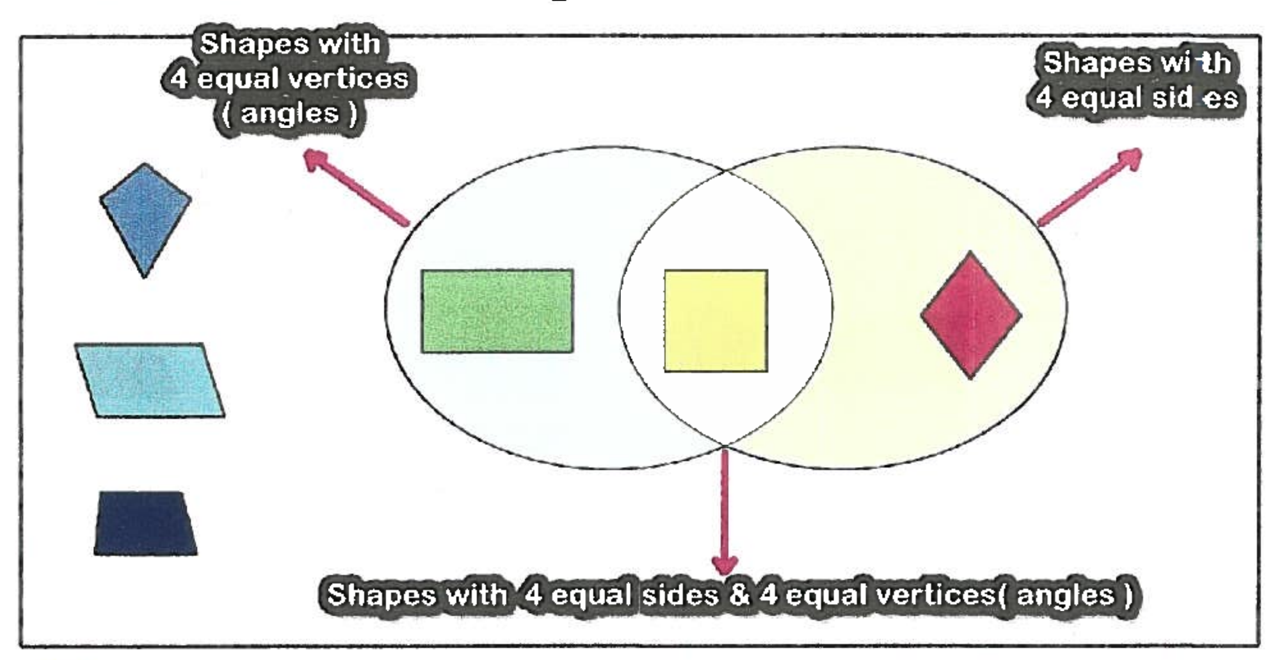
Quadrilaterals



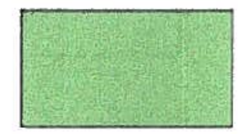
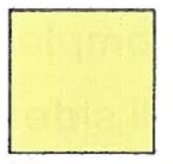
Quadrilateral	Properties	
	Sides	Angles
Parallelogram	Each Two opposite sides are equal and parallel	Each two opossite angles are equal
Rectangle	Each Two opposite sides are equal and parallel	All angles are equal each angle is right angle
Square	Each Two opposite sides are parallel All sides are equal	All angles are equal each angle is right angle
Rhombus	Each Two opposite sides are parallel All sides are equal	Each two opossite angles are equal
Trapezium Trapezoid	Only one pair of opposite sides are parallel	
Kite	Two pairs of adjacent sides are equal	One pair of opposite angles are equal

QUADRILATERAL is a polygon that has 4 sides , 4 vertices and 4 angles

Quadrilateral venn diagram:



1 **Match each quadrilateral to its name :**

Kite	
Parallelogram	
Trapezoid	
Rectangle	
Rhombus	
square	

2 Match each quadrant with a compatible property :

a Each two opposite sides are equal

b Each Two opposite angles are equal

c All sides are equal in length

3 Complete

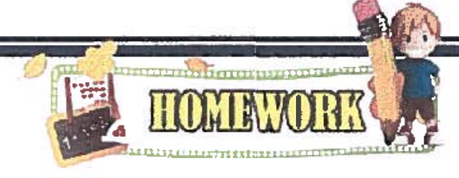
a All sides are equal in .... and ....

b All angles are equal in .... and ....

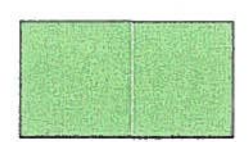
c .... has only one pair of opposite sides are parallel.

d .... two pairs of adjacent sides are equal and one pair of opposite angles are equal

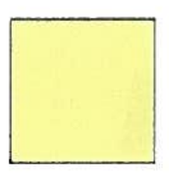




1 Write the name of each quadrilateral :

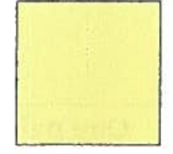

....



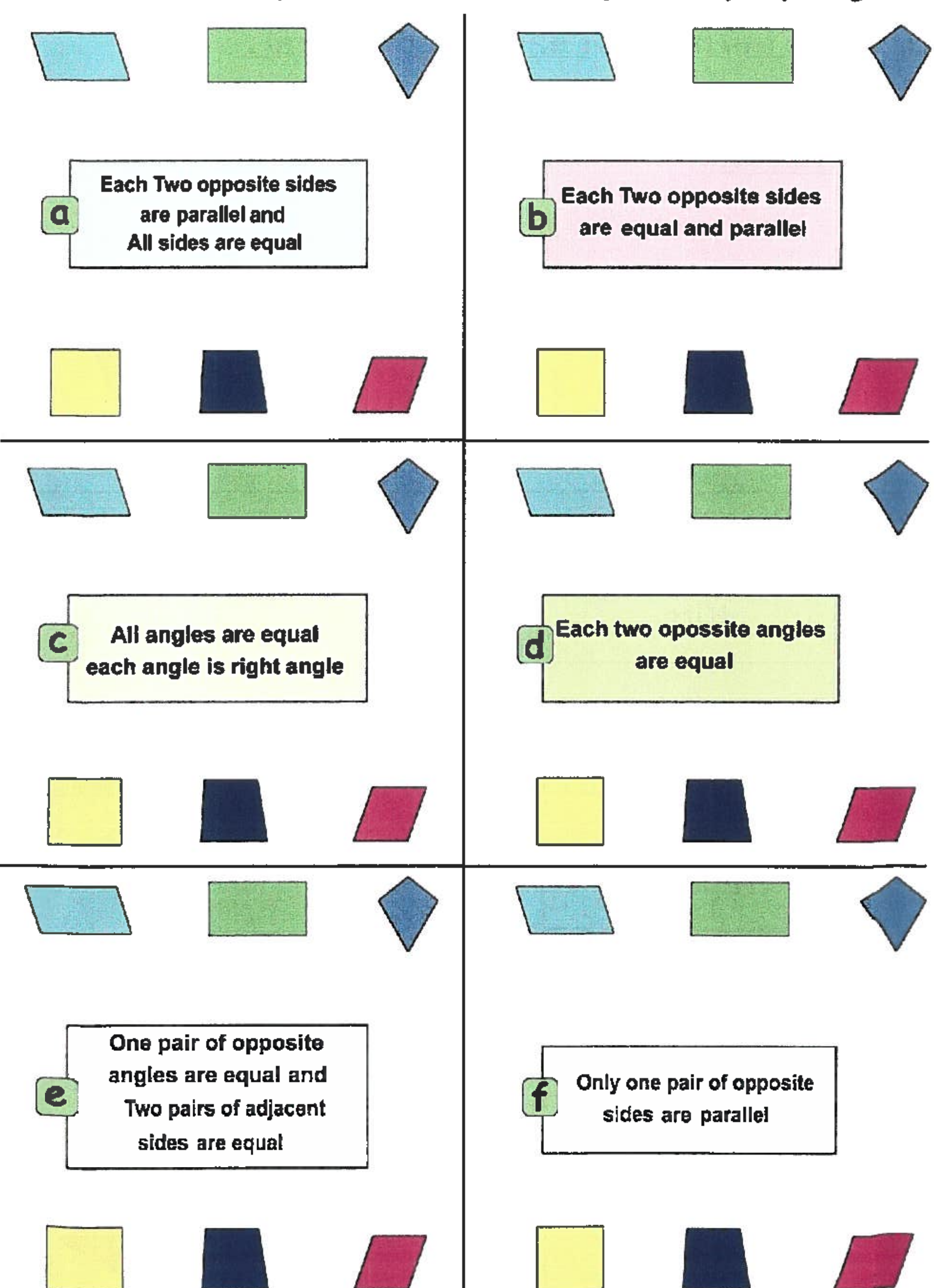


....

2 Match each quadrilateral to its name :

Kite	
Parallelogram	
Trapezoid	
Rectangle	
Rhombus	
square	
	

3 Match each quadrant with a compatible property :





4 Complete :

a) The quadrilateral is a polygon that has .... sides.

b) Each two opposite sides are equal and paralle in

.... , ... , ... , ...

c) All sides are equal in .... and ....

d) All angles are equal in .... and ....

e) Only one pair of opposite sides are parallel in ....

f) Two pairs of adjacent sides are equal in ....

g) In the parallelogram each two opposite sides are

....

h) In the rectangle all angles are ....

i) In the square all sides are .... and all angles are

....

j) In the rhombus , only one pair of opposite sides are

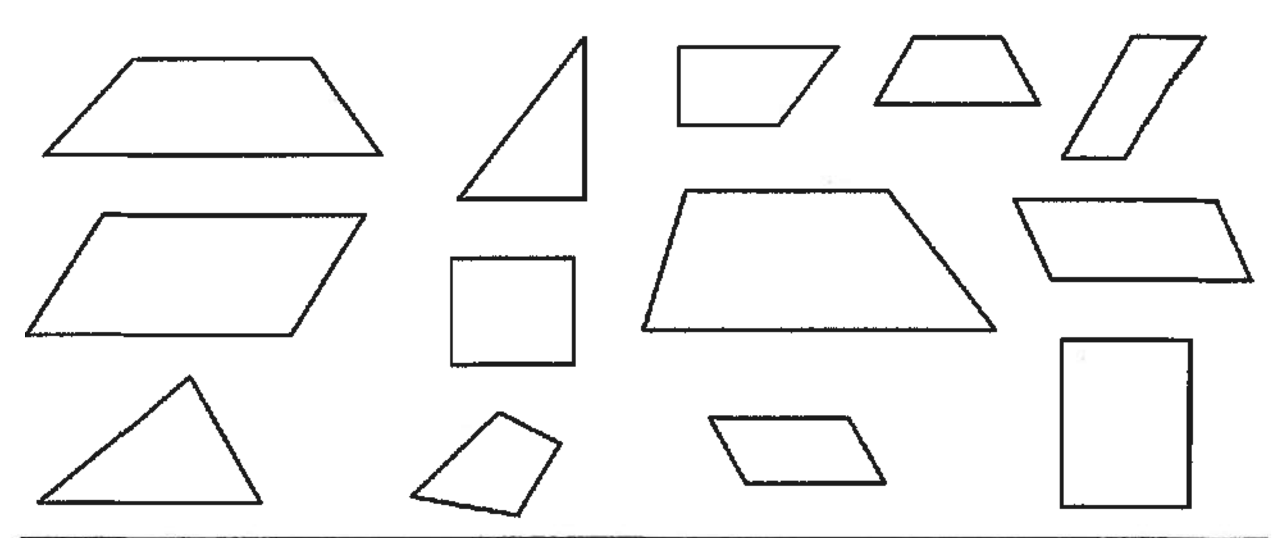
....

k) In the kite two pairs of adjacent sides are ....

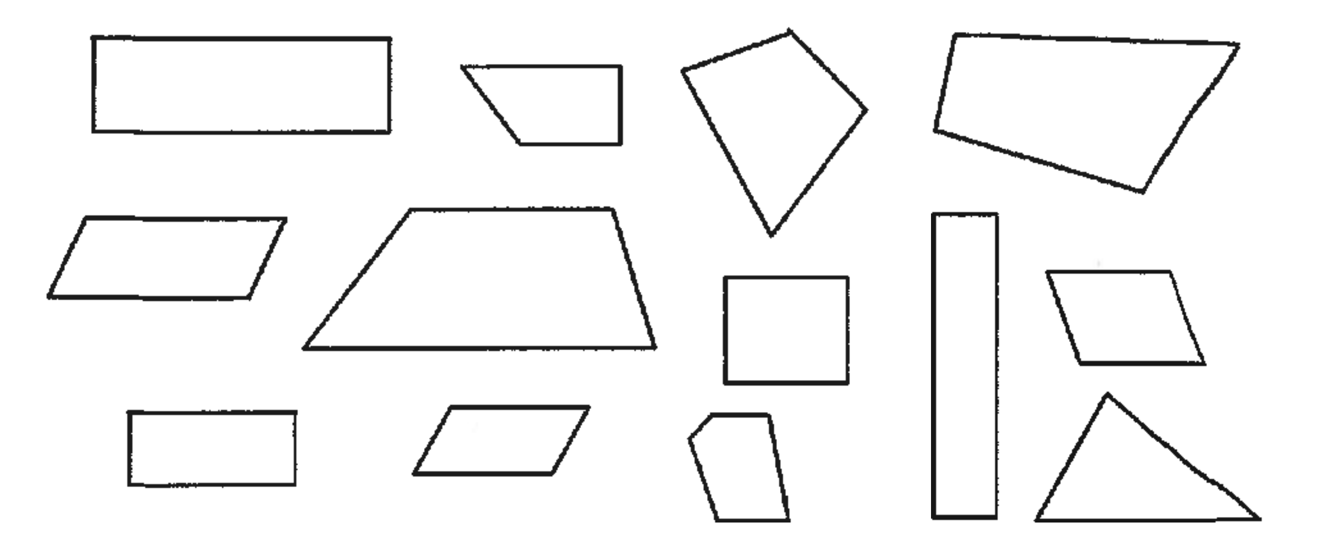
---

5 Color the parallelograms :

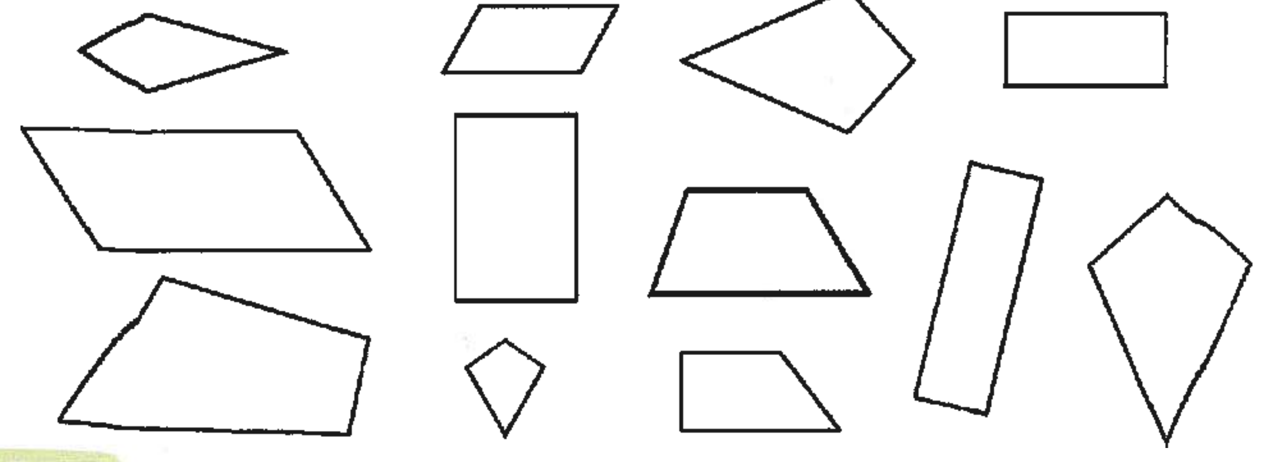
6 Color the trapezium :



7 Color the Rectangles :



8 Color the kite :





First Choose the correct answer

a) Each two opposite sides are parallel in ....

(Square *or* Trapezium *or* Kite)

b) The quadrilatera has ....angles (3 *or* 4 *or* 5)

c) 9 + 9 + 9 + 9 + 9 = ... (9 X 9 *or* 9 X 5 *or* 9 + 5)

d) 9 X 10 + 9 X 7 = 9 X .... (10 *or* 7 *or* 17)

e) The value of the digit 5 in the number 50 112 is ....

(50 000 *or* 5 000 *or* 500)

Second Complete the following

a) 45 thousands + 10 hundreds + 5 ones = ...

b) The .... has 6 sides.

c) All angles are right angles in ....and..................

d) An hour and a half = ... + ... = ...

e) 205 cm =........ m +........cm

Third Answer the following

a) Find the result :

(1) 560 - 359 = ... (3) 72 ÷ 9 = ...

(3) 8 X 50 = ... (4) 50 000 + 500 + 5 = ...

---

b) Write the name of each quadrilateral :

....

---

c) Each week has 7 days , How many days are there in 8 weeks ?

.... X .... = ...



The Area

The amount of two-dimensional units occupied by the figure.
The number of square units in which the shape is formed

Example

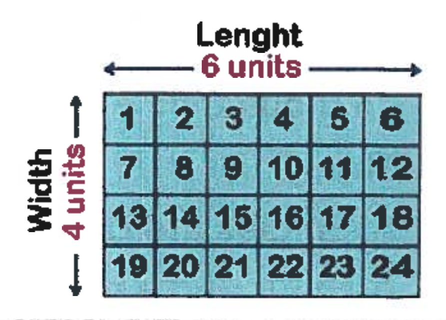
The area = 9 square units
(Counting strategy)

1	2	3
4	5	6
	7	8
		9



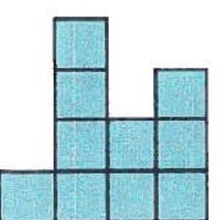
The area = 24 square units
(Counting strategy)

The area = 6 X 4 = 24 squre units
(Length X width strategy)



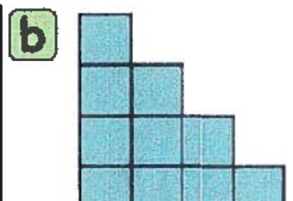
1 Find the area of each shape :

a



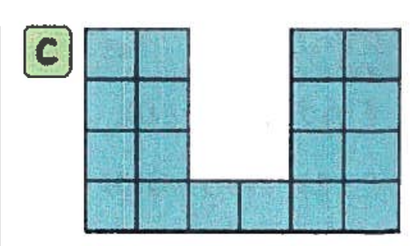
The area = ... square units

b



The area = ... square units

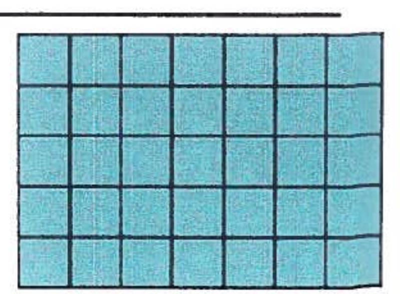
c



The area = ... square units

d The area = ... square units

The area = ... X .... = ... squre units



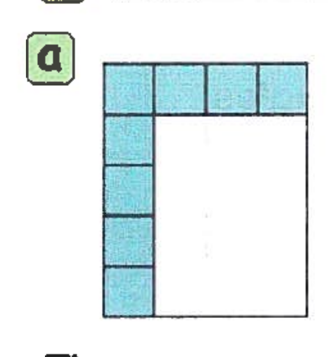
e The area = ... square units

The area = ... X .... = ... squre units



2 Find the area of each shape :

a

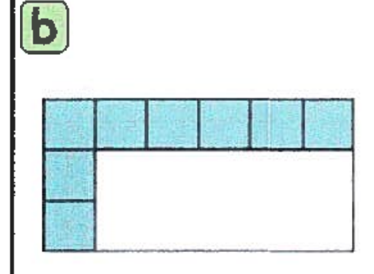


The area

= .... X ....

= .... squre units

b

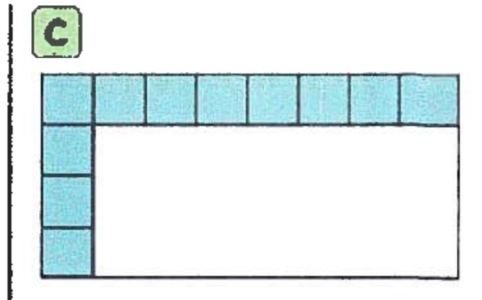


The area

= .... X ....

= .... squre units

c



The area

= .... X ....

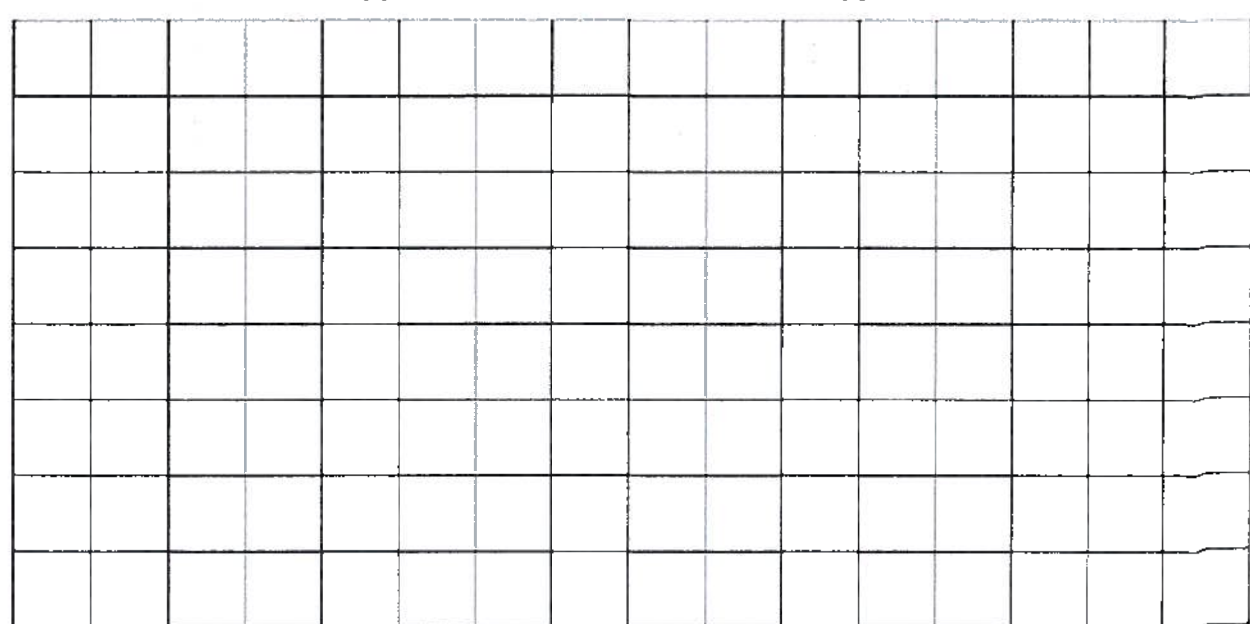
= .... squre units

---

3 Heba has two rectangular gardens, one for lettuce and one for squash.
The squashtakes up 12 square units and the lettuce takes up 10 square units. What could hergardens look like?

(Remember, the gardens are rectangles with the same number of square units in each row.)
Draw the gardens below. They must fi t on the grid paper

12 = ... X ....   10 = ... X ....



4 On the grid below, draw and label as many rectangles as you can with the given area.
Then write equations that match your rectangles.

a 18 square units

....

....

....

....

....

b 24 square units

....

....

....

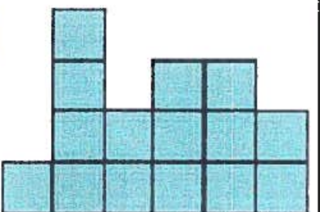
....

....



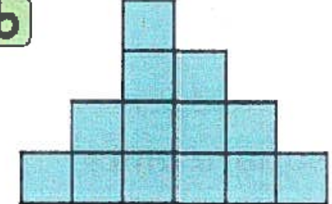
1 Find the area of each shape :





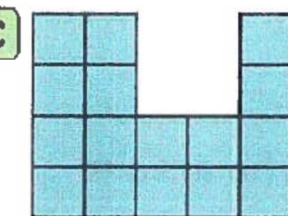
The area = square units





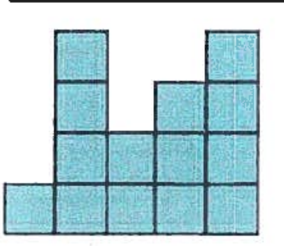
The area = square units

c



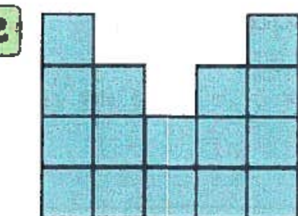
The area = square units

d



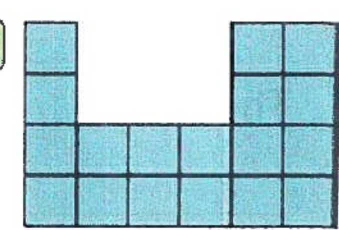
The area = ... square units

e



The area = ... square units

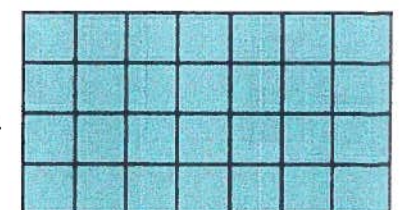
f



The area = ... square units

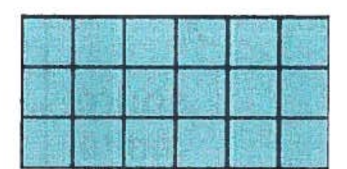
g The area = ... square units

The area = ... X .... = ... squre units



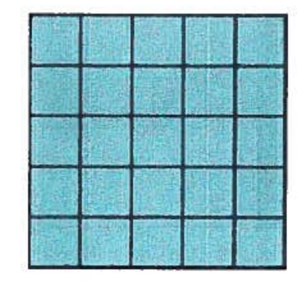
h The area = ... square units

The area = ... X .... = ... squre units



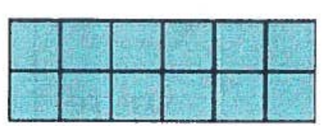
i The area = ... square units

The area = ... X .... = ... squre units



j The area = ... square units

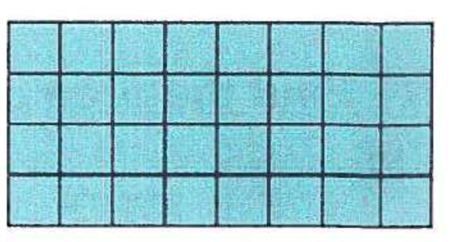
The area = ... X .... = ... squre units





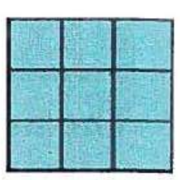
k) The area = ... square units

The area = ... X .... = ... squre units



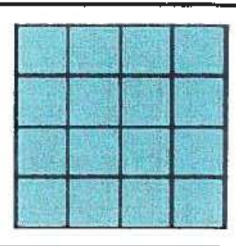
l) The area = ... square units

The area = ... X .... = ... squre units



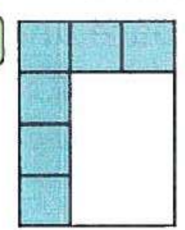
m) The area = ... square units

The area = ... X .... = ... squre units



2) Find the area of each shape :

a)

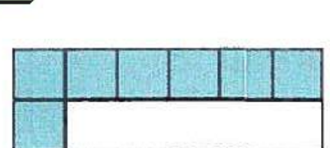


The area

= .... X ....

= .... squre units

b)

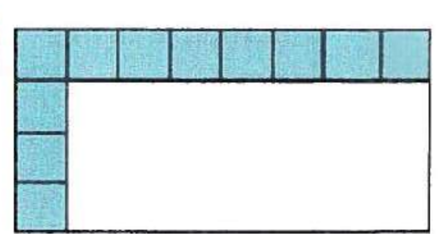


The area

= .... X ....

= .... squre units

c)

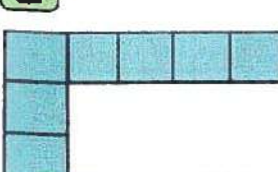


The area

= .... X ....

= .... squre units

d)

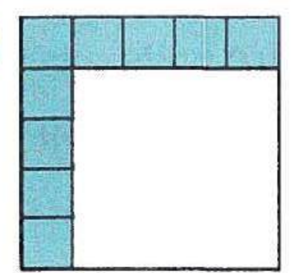


The area

= .... X ....

= .... squre units

e)

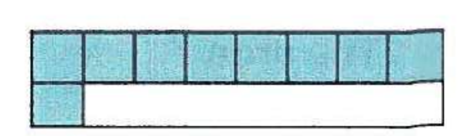


The area

= .... X ....

= .... squre units

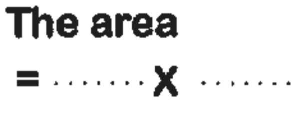
f)



The area

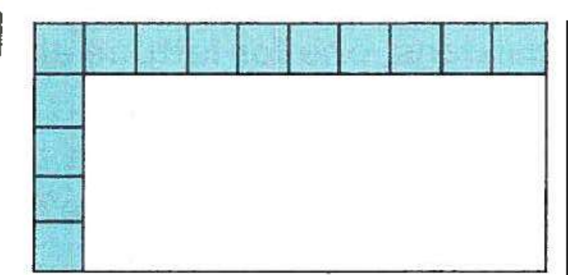
= .... X ....

= .... squre units





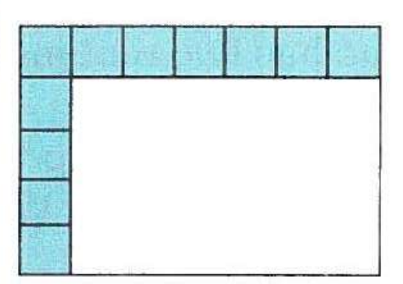
g



The area = ... x ....

= .... squre units

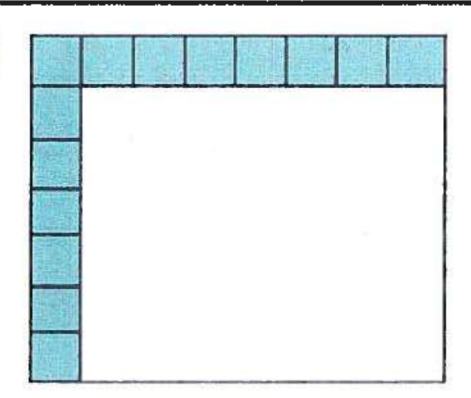
h



The area = ... x ....

= .... squre units

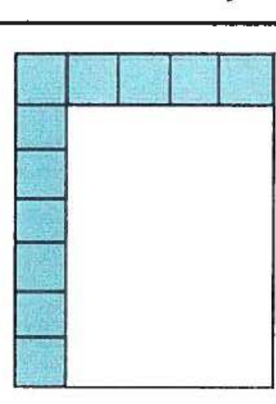
i



The area = ... x ....

= .... squre units

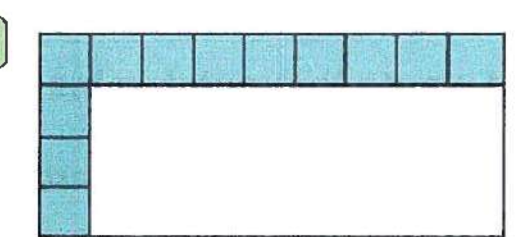
j



The area = ... x ....

= .... squre units

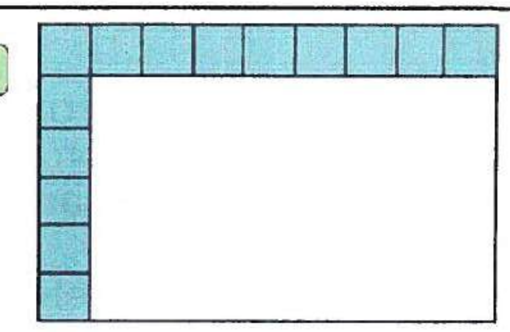
k



The area = ... x ....

= .... squre units

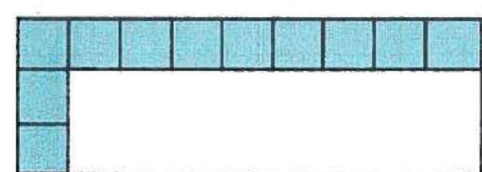
l



The area = ... x ....

= .... squre units

m

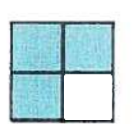




The area = ... x ....

= .... squre units

n



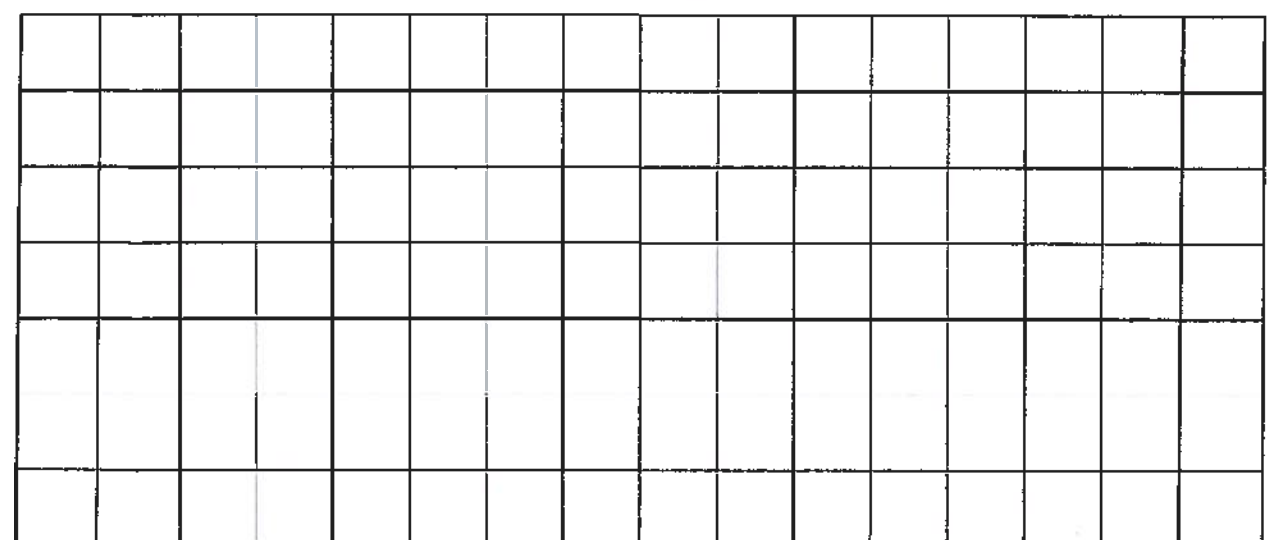
The area = ... x ....

= .... squre units

3 Heba has two rectangular gardens, one for lettuce and one for squash.
The squashtakes up 15 square units and the lettuce takes up 18 square units. What could hergardens look like?

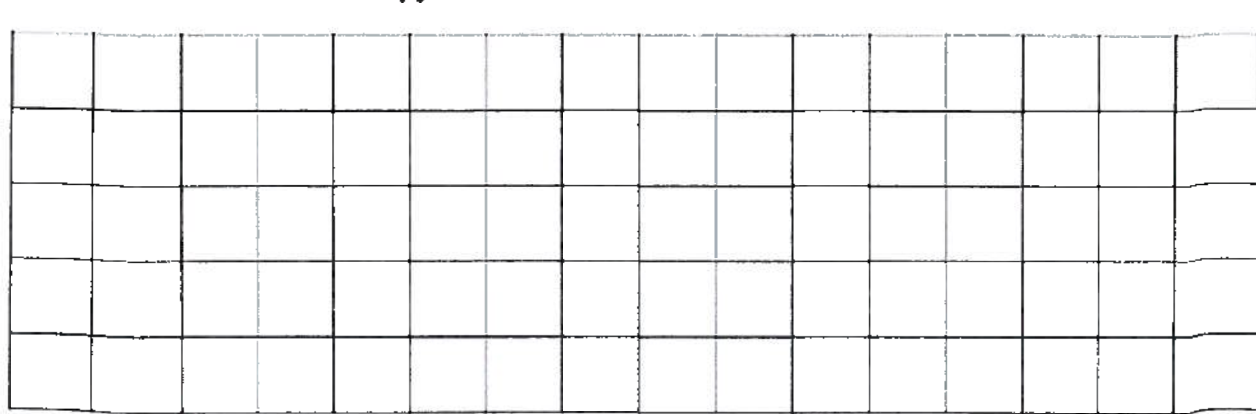
(Remember, the gardens are rectangles with the same number of square units in each row.)
Draw the gardens below. They must fi t on the grid paper

15 = ... X ....   18 = ... X ....



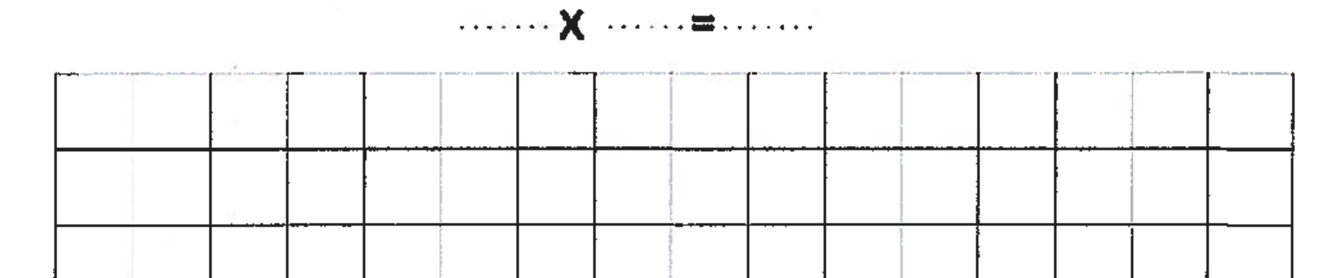
4 Youssef loves watermelon and wants to plant it in his garden. Watermelon needs 1 square unit of space.
He would like the garden to have 4 rows with 6 square units in each row.
How many watermelons can Youssef fit in his garden?
What is the area of his garden in square units?

.... X .... = ...

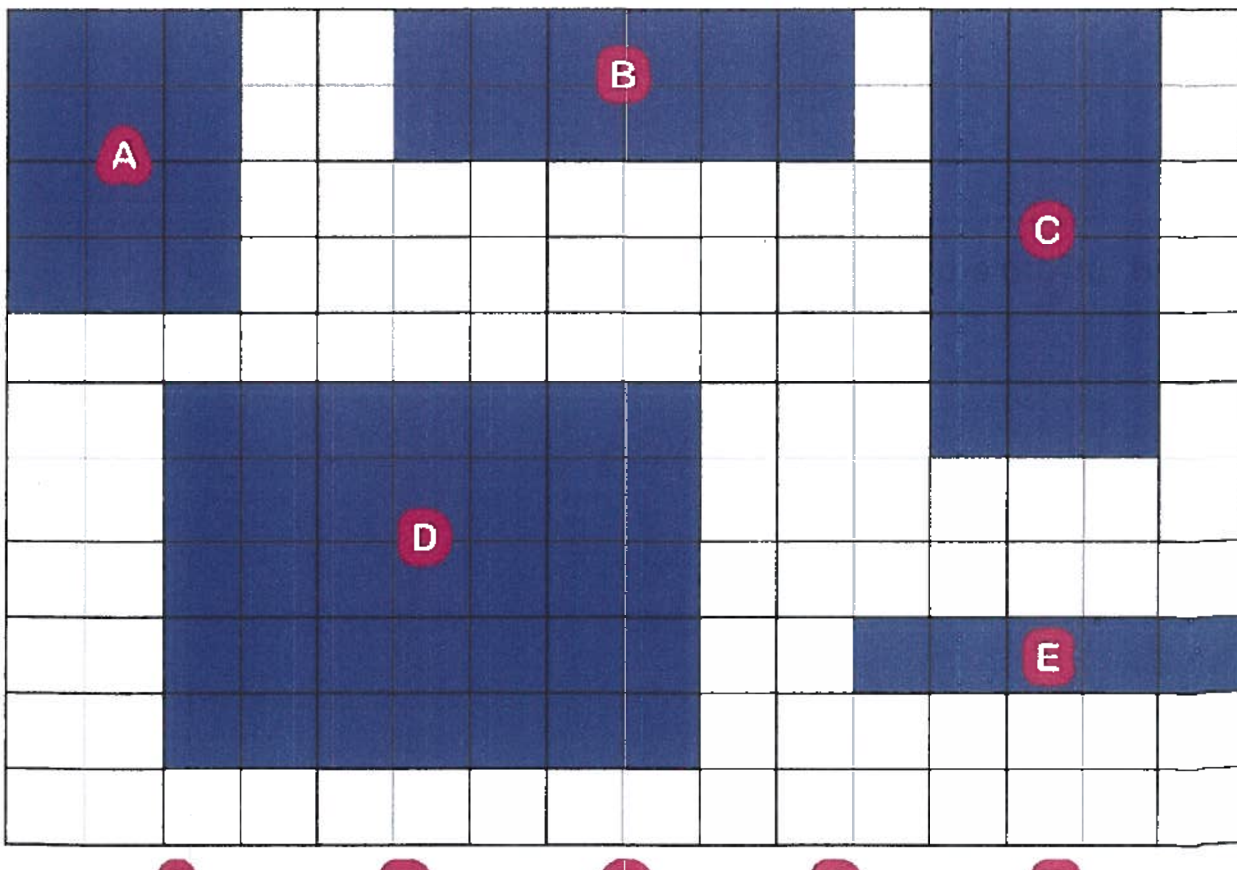


5 Omar wants to plant corn. Corn needs 1 square unit of space. He would like the garden to have 3 rows with 7 square units in each row.
How much corn can Omar fi t in his garden?
What is the area of his garden in square units?

.... X .... = ...



6 Determine the total area of the following shapes.





(.... X ....) + (.... X ....) + (.... X ....) + (.... X ....) + (.... X ....)

= .... + ... + ... + ... + ... = ...

7 On the grid below, draw and label as many rectangles as you can with the given area.
Then write equations that match your rectangles.

a 30 square units

....

....

....

....

....

b 24 square units

....

....

....

....

....

c 20 square units

....

....

....

....

....

d 12 square units

....

....

....

....

e 18 square units

....

....

....

....

....



Sheet 6

First Choose the correct answer

a) Nine thousand and ninety = ... (9 090 or 90 090 or 900 090)

b) The rhombus has .... angles (3 or 4 or 5)

c) An hour and a half = ... minutes (75 or 80 or 90)

d) 5 X 4 = ... (5 + 5 + 5 + 5 + 5 or 4 + 4 + 4 + 4 or 10 + 10)

e) The largest 6-digit number is ....

(999 999 or 987 654 or 900 000)

Second Complete the following

a) 5 tens + 45 thousands + 5 hundreds = ...

b) The pentagon has ..... sides

c) 207 mm = ... cm + ... mm

d) In the square , all angles are .... in measure.

e) 27 , 36 , 45 , 54 , ... , ... , ...

Third Answer the following

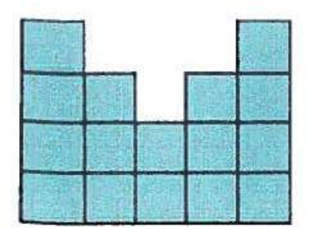
a) Complete using < , = or > :

(1) 6 X 7 ☐ 5 X 8 (3) 2 hours ☐ 100 minutes

(2) 7 856 ☐ 7 586 (4) 20 cm ☐ 200 mm

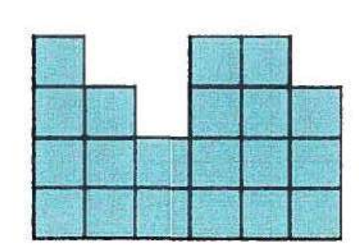
b) Find the area of each shape :

(1)



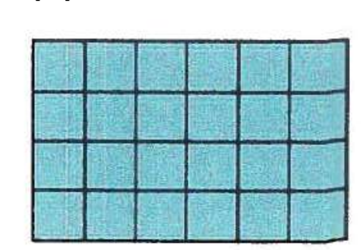
The area = ... square units

(2)



The area = ... square units

(3)



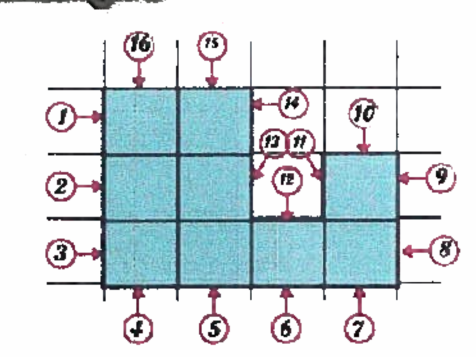
The area = ... square units



The perimeter

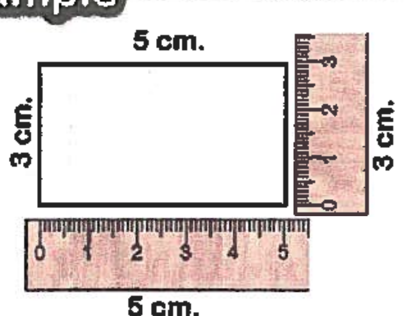
The perimeter of any polygon equals the sum of its sides length

Example



The perimeter = 16 liner unit

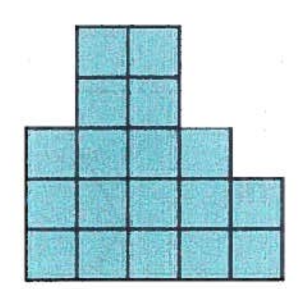
Example



The perimeter = 5 + 3 + 5 + 3
= 16 cm

1 Find the area and the perimeter of each shape :

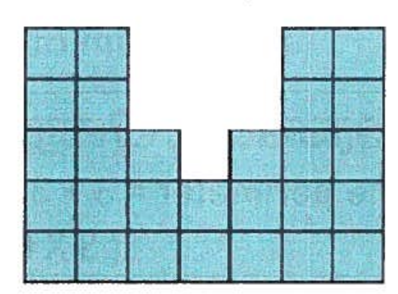
a



The area = ... square unit

The perimeter = ... liner unit

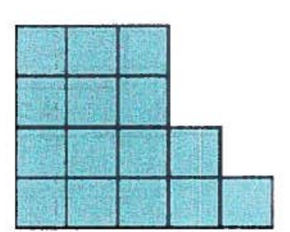
b



The area = ... square unit

The perimeter = ... liner unit

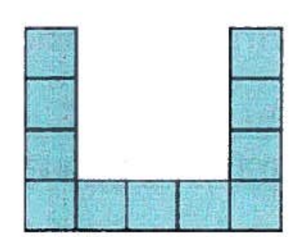
c



The area = ... square unit

The perimeter = ... liner unit

d



The area = ... square unit

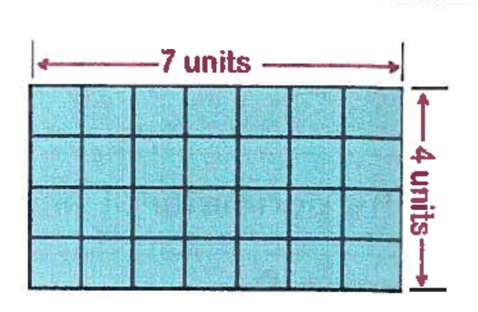
The perimeter = ... liner unit

e The area = ... X ....

= .... square unit

The perimeter = ... + ... + ... + ...

= .... liner unit

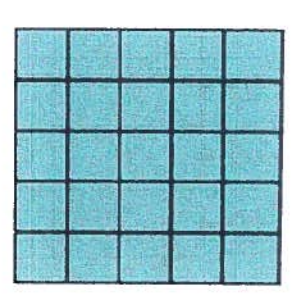


f The area = ... X ....

= .... square unit

The perimeter = ... + ... + ... + ...

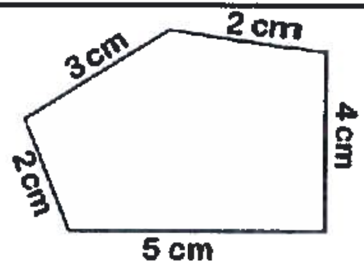
= .... liner unit



The perimeter of any polygon :

The perimeter = 5 + 4 + 2 + 3 + 2 = 12 cm

> The perimeter of any polygon equals sum of sides length.

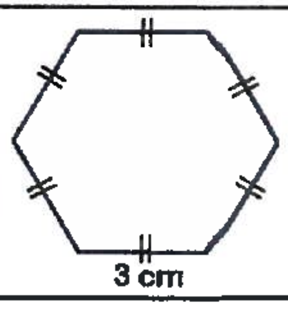


The perimeter of regular polygons :

The perimeter = 3 + 3 + 3 + 3 + 3 + 3 = 18 cm

(3 X 6 = 18 cm)

> The perimeter of a reqular polygon
> = The side length X the number of sides

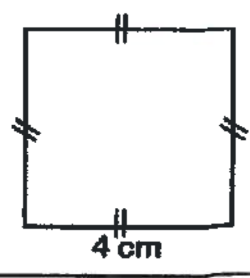


The perimeter of the square :

The perimeter = 5 + 5 + 5 + 5 = 20 cm

(5 X 4 = 18 cm)

> The perimeter of the square
> = The side length X 4

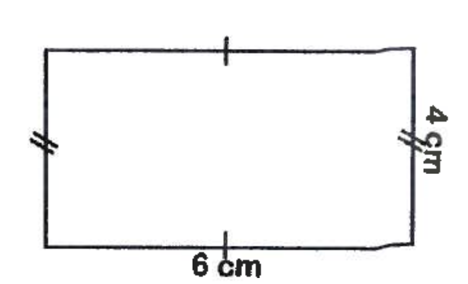


The perimeter of the rectangle :

The perimeter = 6 + 4 + 6 + 4 = 20 cm

[(6 + 4) x 2 = 20 cm]

> The perimeter of the reactangle
> = (Length + width) X 2

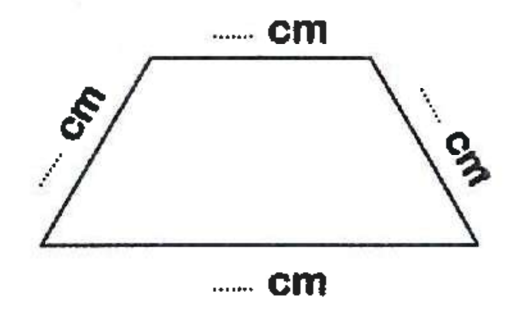


2 Use your ruler to measure each of the side lengths of the following then find the perimeter

a The perimeter

= ...... + ... + ... + ...

= ....cm

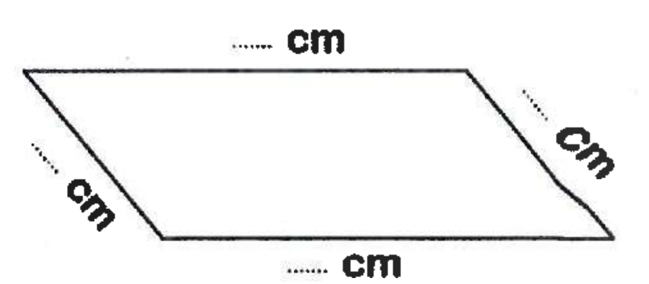


---

b The perimeter

= ...... + ... + ... + ...

= ....cm



The area and the perimeter of the recatangle:

The area = length X width
= 4 X 2 = 8 square centimeter

The perimeter = (length + width) X 2
= (4 + 2) X 2 = 12 cm

4 cm

2 cm

3 Find the area and the perimeter of the following :

a The area = ...

= ....

The perimeter = ...

= ....



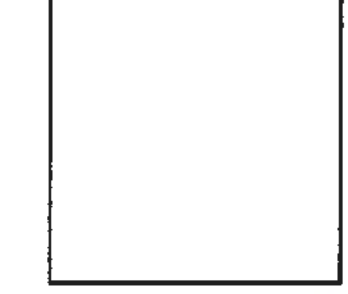
---

b The area = ...

= ....

The perimeter = ...

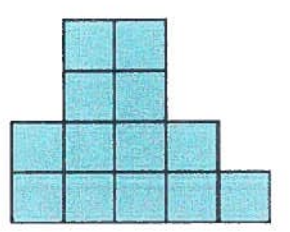
= ....





1 Find the area and the perimeter of each shape :

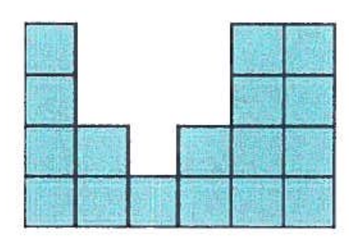
a



The area = ... square unit

The perimeter = ... liner unit

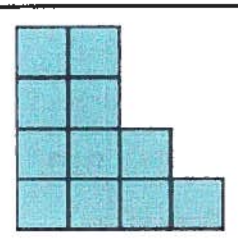
b



The area = ... square unit

The perimeter = ... liner unit

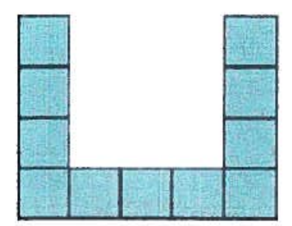
c



The area = ... square unit

The perimeter = ... liner unit

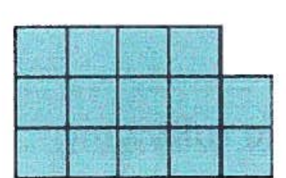
d



The area = ... square unit

The perimeter = ... liner unit

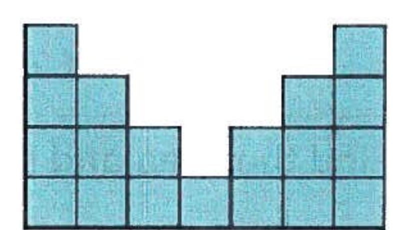
e



The area = ... square unit

The perimeter = ... liner unit

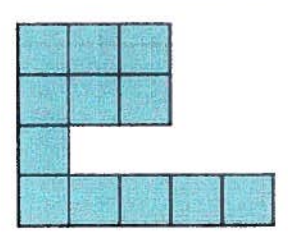
f



The area = ... square unit

The perimeter = ... liner unit

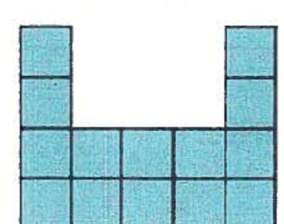
g



The area = ... square unit

The perimeter = ... liner unit

h



The area = ... square unit

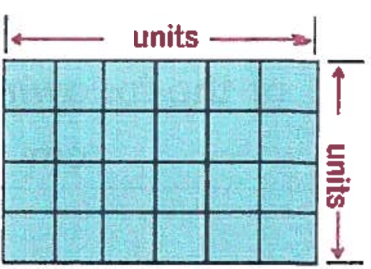
The perimeter = ... liner unit

i The area = ... X ....

= .... square unit

The perimeter = ... + ... + ... + ...

= .... liner unit

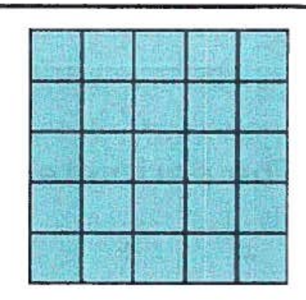


j The area = ... X ....

= .... square unit

The perimeter = ... + ... + ... + ...

= .... liner unit



k The area = ... X ....

= .... square unit

The perimeter = ... + ... + ... + ...

= .... liner unit

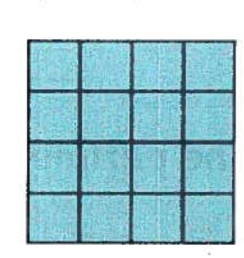


l The area = ... X ....

= .... square unit

The perimeter = ... + ... + ... + ...

= .... liner unit

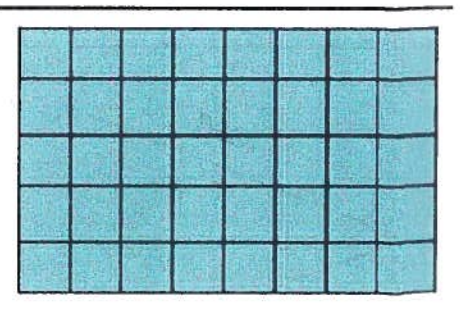


m The area = ... X ....

= .... square unit

The perimeter = ... + ... + ... + ...

= .... liner unit

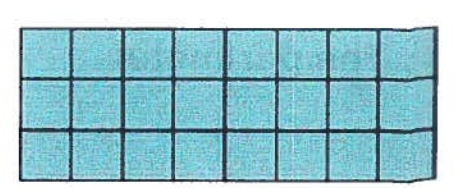


n The area = ... X ....

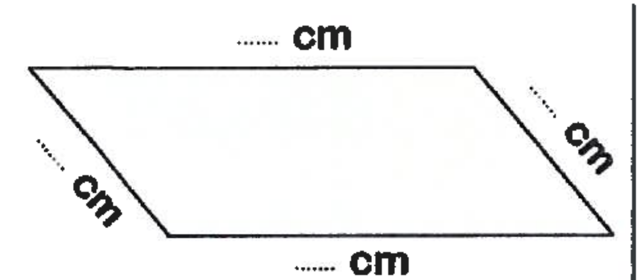
= .... square unit

The perimeter = ... + ... + ... + ...

= .... liner unit



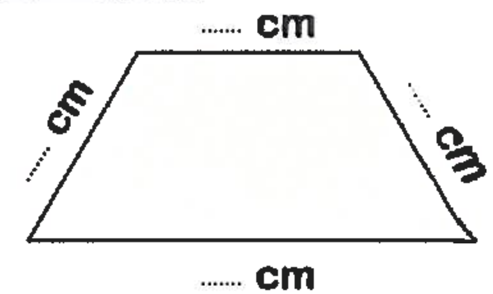
2 Use your ruler to measure each of the side lengths of the following then find the perimeter



a The perimeter

= ...... + ... + ... + ...

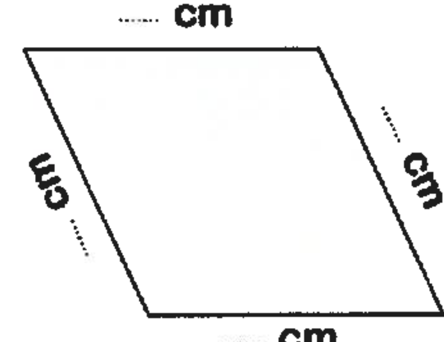
= .... cm



b The perimeter

= ...... + ... + ... + ...

= .... cm



c The perimeter

= ...... + ... + ... + ...

= .... cm

.... cm

.... cm

.... cm

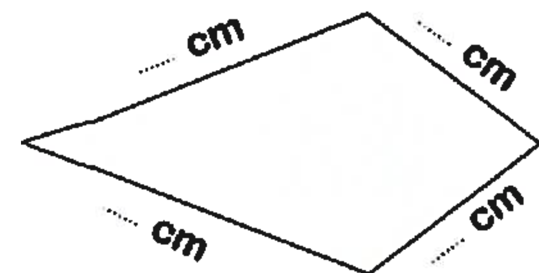
.... cm

d The perimeter



= ...... + ... + ... + ...

= .... cm



e The perimeter

= ...... + ... + ... + ...

= .... cm

.... cm

.... cm

.... cm

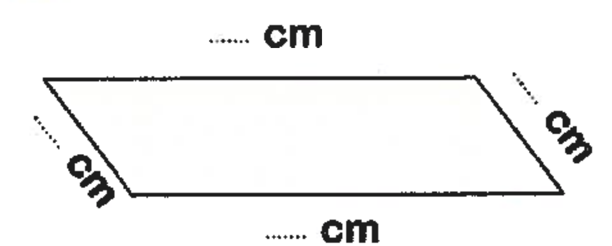
.... cm

f The perimeter

= ...... + ... + ... + ...

= .... cm

g

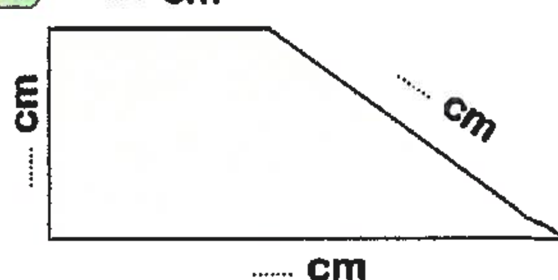


The perimeter

= ...... + ... + ... + ...

= .... cm

h

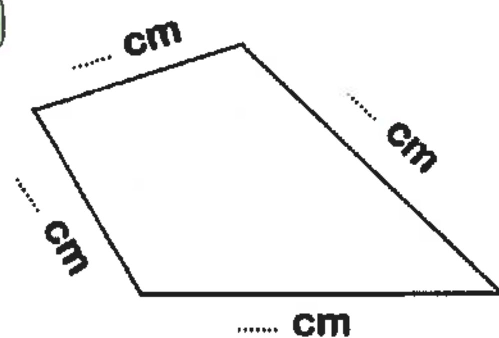


The perimeter

= ...... + ... + ... + ...

= .... cm

i

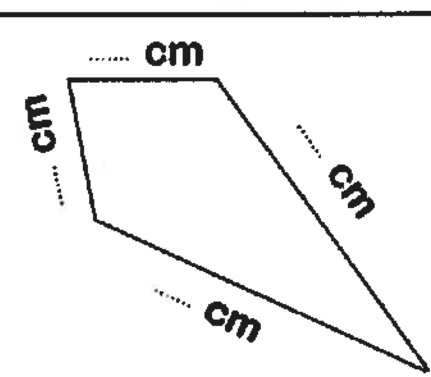


The perimeter

= ...... + ... + ... + ...

= .... cm

j

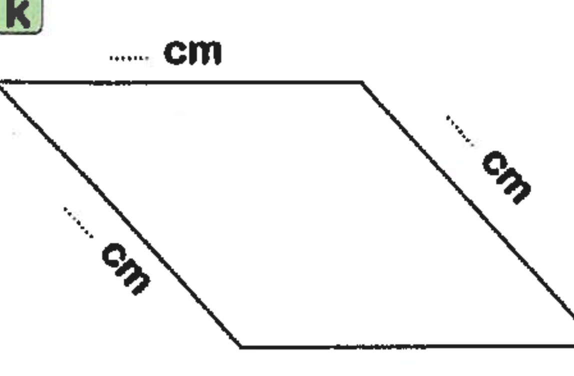


The perimeter

= ...... + ... + ... + ...

= .... cm

k

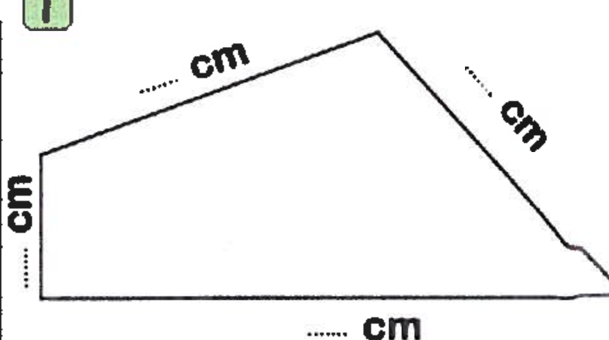


The perimeter

= ...... + ... + ... + ...

= .... cm

l



The perimeter

= ...... + ... + ... + ...

= .... cm

3 Find the area and the perimeter of the following :

a The area = ...

= ....

The perimeter = ...

= ....

b The area = ...

= ....

The perimeter = ...

= ....

c The area = ...

= ....

The perimeter = ...

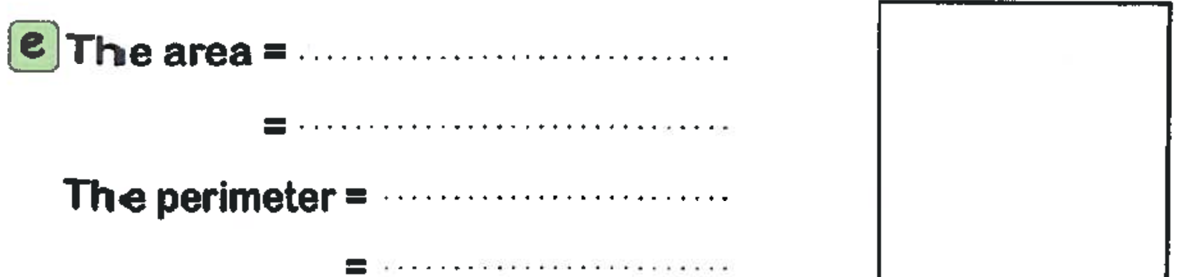
= ....

d The area = ...

= ....

The perimeter = ...

= ....



e The area = ...

= ....

The perimeter = ...

= ....

4 Find the area and the perimeter of the following :

a The area = ...

= ....

The perimeter = ...

= ....

b The area = ...

= ....

The perimeter = ...

= ....

c The area = ...

= ....

The perimeter = ...

= ....

d The area = ...

= ....

The perimeter = ...

= ....

e The area = ...

= ....

The perimeter = ...

= ....



First Choose the correct answer

a) The value of the digit 7 in the 25 748 is ....

(700 000 or 7 000 or 700)

b) The number of sides of the pentagon is ....

(4 or 5 or 6)

c) 8 + 8 + 8 = ... (8 + 3 or 6 X 4 or 8 X 8)

d) The number that comes right before 200 100 is ....

(200 000 or 100 100 or 200 099)

e) 2 m + 15 cm = ... cm (215 or 35 or 2015)

Second Complete the following

a) 74 thousands + 5 ones + 7 tens + 3 hundreds = ...

b) 85 minutes = ... hour(s) + ... minutes.

c) 8 X 5 = ... + ... + ... + ... + ...

d) In the rhombus , all sides are ....

e) 36 ÷ 9 = ...

Third Answer the following

a) Find the perimeter and the area of the opposit figure :

The area = ... X .... = ... square unit

The perimeter = ... + ... + ... + ... = ... liner unit



b) Write the time shown in the clock :

.... 

.... 

c) Write the name of each shape :

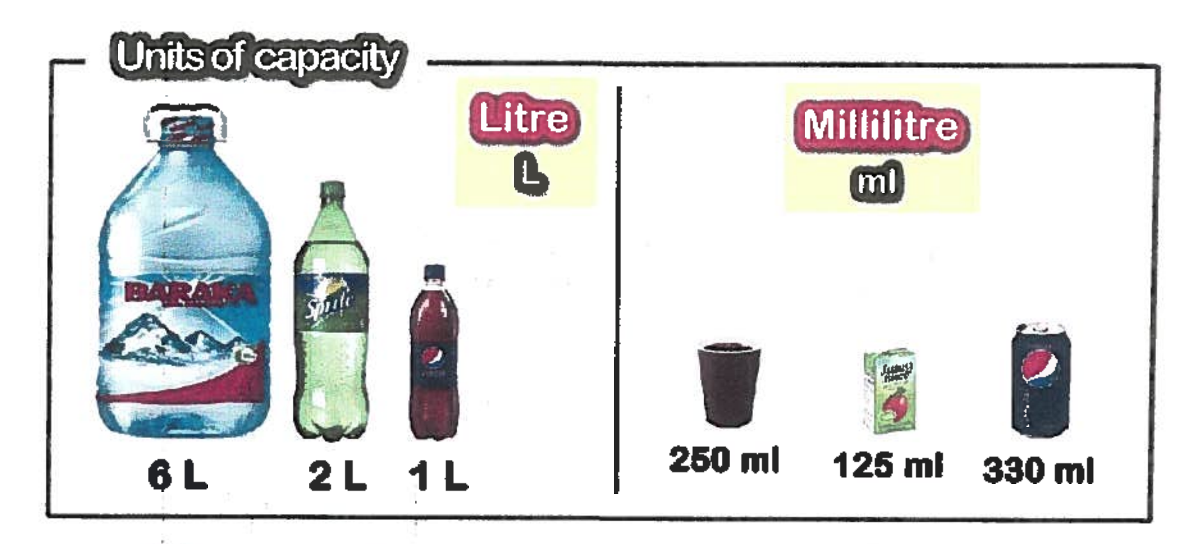
   

....



The Capacity

The amount of liquid that the container can contain





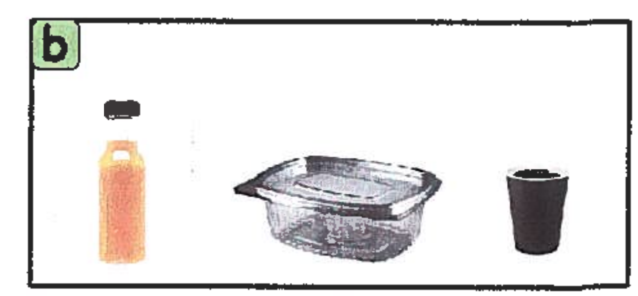
1 Litre = 1000 millilitre

1 Circle the largest capacity container

a



b

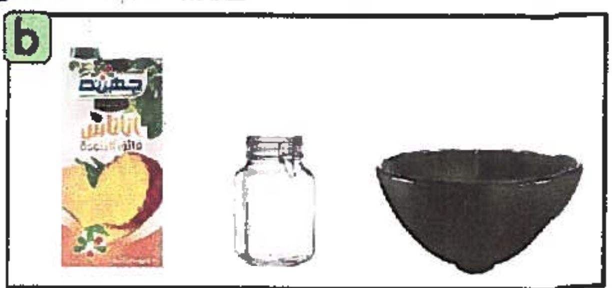


2 Circle the smaller capacity container

a



b



3 What is better for measuring the volume of liquid in (capacity)? [Milliliter or liter]

a

Petrol in a car

Milliliter | Litre

b

Soda in a can

Milliliter | Litre

c

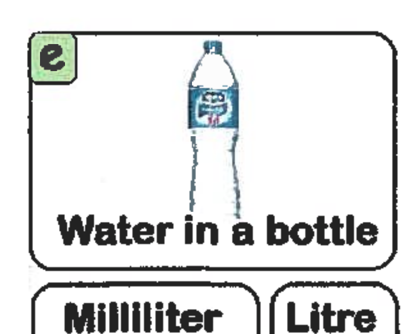
Spoonful of medicine

Milliliter | Litre

d

Dishwashing soap

Milliliter | Litre

e

Water in a bottle

Milliliter | Litre

f

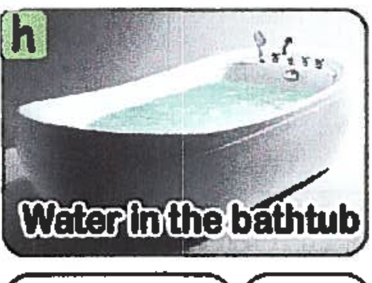
Shampoo in a bottle

Milliliter | Litre

g

Juice in a juice box

Milliliter | Litre

h

Water in the bathtub

Milliliter | Litre

i

Perfume in a bottle

Milliliter | Litre

---

4 <u>Complete the following :</u>

a 1 litre = ... milliliters

c 2 liters = ... milliliters

b 5 000 ml = ... litres

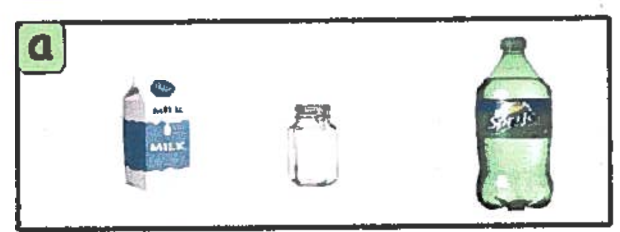
d 7 000 ml = ... litres

e To measure the capacity of the tea cup we use ....

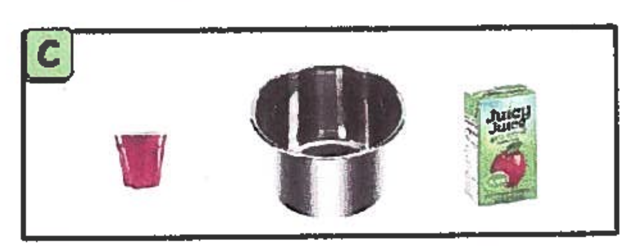
f The litre is used to measure ....

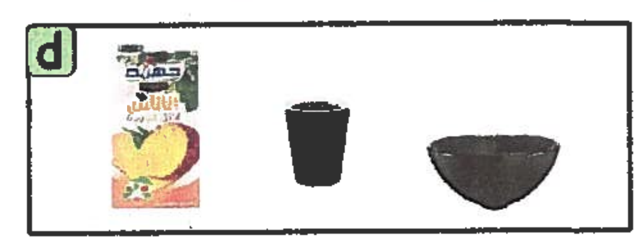


1 Circle the largest capacity container

a


b


c


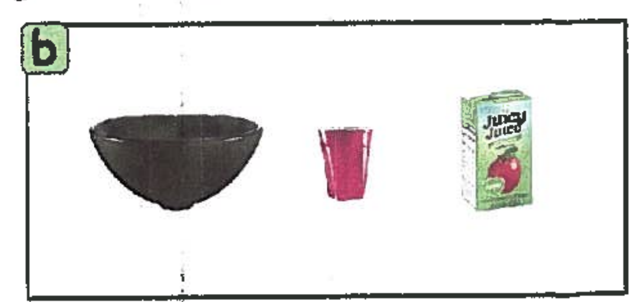
d


e


f

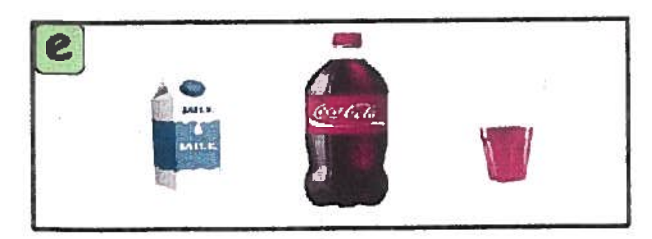

2 Circle the smaller capacity container

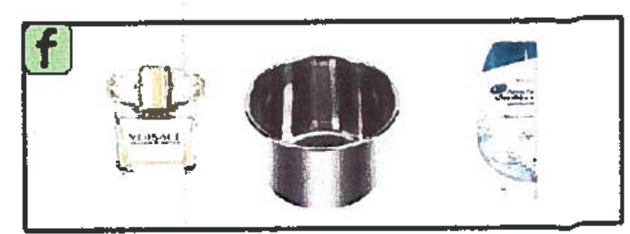
a


b


c


d


e


f


3 What is better for measuring the volume of liquid in (capacity)? [Milliliter or liter]





First Choose the correct answer

a) 8 liters = ………… milliliter (8 000 or 800 or 80)

b) 7 + 7 + 7 + 7 = ………… (7 X 4 or 7 + 4 or 7 X 7)

c) 80 X 3 = …… X 40 (240 or 6 or 60)

d) The capacity of a cup of tea = …………
(6 litre or 800 ml or 200 ml)

e) ………… is a unit of measuring capacity
(hour or meter or litre)

Second Complete the following

a) 9 000 milliliter = ……. litre

b) The volume of water in the pool is measured by …………

c) The number that comes right after 99 999 is …………

d) 20 cm + 7 mm = ……. mm

e) The smallest 5-different-digit number is ………………

Third Answer the following

a) Find the result :

(1) 9 X 13 = ………… (2) 72 ÷ 8 = …………

(3) 899 + 1 001 = ………… (4) 42 ÷ 6 = …………

b) Each book costs LE 9 , How many books can you by for LE 63.

……………………………………………………………………………

c) Write the sutiable unit (millilitre or litre) :

 Coffee in a cup	 Dishwashing soap	 Soda in a can	 Petrol in a car
………………	………………	………………	………………

General Exercises

First Choose the correct answer

(1) Seven hundred thousand and seventy = ...

(700 070 *or* 700 017 *or* 770 000)

(2) 5 + 20 + 400 + 7 000 = ... (5 247 *or* 70 425 *or* 7 425)

(3) 70 010 comes right after ...... (79 999 *or* 70 099 *or* 70 009)

(4) ....comes right before 2 000 (1 999 *or* 2 001 *or* 1 099)

(5) 20 thousand + 75 tens = ... (2 075 *or* 20 075 *or* 20 750)

(6) 60 hundreds = ... (60 000 *or* 6 000 *or* 600000)

(7) 8 000 tens = ...hundreds (800 *or* 8 000 *or* 80 000)

(8) 300 000 = ...hundreds (30 *or* 300 *or* 3 000)

(9) The largest 5 - different - digit number is ....

(98 765 *or* 99 999 *or* 10 234)

(10) The smallest 6 - different - digit number is ....

(100 000 *or* 123 456 *or* 10 2345)

(11) The largest 5 - same - digit number is ....

(99 999 *or* 98 756 *or* 9 999)

(12) The smallest 4 - same - digit number is ....

(1 000 *or* 11 111 *or* 1 111)

(13) The value of the digit 3 in the numbr 53 889 is ....

(3 000 *or* 300 *or* 30)

(14) The value of the digit 8 in the number 877 624 is ....

(800 000 *or* 8 000 *or* 800)

(15) The place-value of the digit 9 in the number 9 247 is ....

(Hundreds *or* Thousands *or* Ten-thousands)

(16) $5 + 5 + 5 + 5 = 2 \times$ .... (5 or 10 or $4 + 5$)

(17) $8 + 8 + 8 =$ .... (8×3 or $8 + 3$ or 8×8)

(18) $6 + 6 + 6 + 6 =$ .... (6×4 or 6×6 or $6 + 4$)

(19) $8 \times 2 =$ .... ($8 + 2$ or $8 + 8$ or 8×8)

(20) $9 + 9 =$ .... (9×9 or 9×2 or 6×3)

(21) $6 + 6 =$ .... (6×2 or 6×6 or $6 + 2$)

(22) $4 \times 4 =$ .... (8×2 or 1×6 or 3×5)

(23) 2×5 ☐ 3×3 ($<$ or $=$ or $>$)

(24) $5 + 5 + 5$ ☐ 4×4 ($<$ or $=$ or $>$)

(25) $8 + 8 + 8$ ☐ 6×4 ($<$ or $=$ or $>$)

(26) $9 + 9 + 9$ ☐ 7×4 ($<$ or $=$ or $>$)

(27) $5 \times 6 = 3 \times$ .... (5 or 10 or 6)

(28) $8 + 8 + 8 + 8 + 8 = 4 \times$ .... (8 or 5 or 10)

(29) $6 + 6 + 6 + 6 = 3 \times$ .... (8 or 6 or 4)

(30) $5 \times 6 \times 10 =$ .... $\times 10$ (300 or 30 or 3)

(31) $7 \times 4 \times 10 =$ .... $\times 10$ (280 or 4 or 28)

(32) .... $\times 9 \times 10 = 36 \times 10$ (4 or 36 or 360)

(33) $28 \times 10 = 4 \times$ .... $\times 10$ (7 or 280 or 40)

(34) $35 \times 10 = 5 \times$ .... $\times 10$ (70 or 350 or 7)

(35) $36 \times 10 =$ .... $\times 6 \times 10$ (3 or 6 or 36)

(36) $5 \times 8 =$ .... $\times 5$ (40 or 5 or 8)

(37) $9 \times$ .... $= 6 \times 9$ (6 or 9 or 54)

(38) $8 \times 6 = 6 \times$ .... (8 or 6 or 48)

(39) $6 + 6 + 6 =$ .... ($6 + 3$ or 6×6 or 9×2)

(40) $6 + 6 + 6 + 6 + 6 =$ .... (6×6 or 3×10 or $6 + 5$)

(41) 10 cm + 5 mm = ... mm (105 or 15 or 1 005)

(42) 15 m = ... cm. (15 or 150 or 1 500)

(43) The quadrilateral has .... sides (3 or 4 or 5)

(44) 50 cm + 5 mm = ... mm (505 or 55 or 10)

(45) An hour + 10 minutes = ... minutes (110 or 130 or 70)

(46) An hour and a half = ... minutes (75 or 80 or 90)

(47) Each two opposite sides are parallel in ....

(48) (Square or Trapezium or Kite)

The rhombus has .... angles (3 or 4 or 5)

(49) The capacity of a cup of tea = ...

(6 litre or 800 ml or 200 ml)

(50) .... is a unit of measuring capacity

(hour or meter or litre)

Second Complete the following

(1) Two hundred five thousand, six hundred and eleven = ...

(Standard form)

(2) 700 608 (Word form) : ....

....

(3) 700 000 + 70 000 + 5 000 + 800 + 50 + 3 = ...

(4) 998 thousand + 6 ones + 5 tens + 7 hundreds = ...

(5) 70 + 0 + 0 + 4 = ...

(6) 77 856 = ... + ... + ... + ...

(7) 552 159 = ... tens + ... thousands + ... ones + ... hundreds

(8) The number that comes right after 362 999 is ....

(9) The number 70 250 comes right after ....

(10) The number .... comes right after 99 999.

(11) The number that comes right before 700 000 is ....

(12) The number 31 560 comes right before ....

(13) The number .... comes right before 105 200.

(14) The place value of the digit 5 in the number 254 269 is ....

(15) The place value of the digit 7 in the number 789 895 is ....

(16) The value of the digit 7 in the number 79 159 is ....

(17) The value of the digit 2 in the number 8 128 is ....

(18) The largest 6-digit number is ....

(19) The smallest 6-digit number is ....

(20) The largest 5-digit number is ....

(21) The smallest 5-digit number is ....

(22) The largest and the smallest number formed from the digits (7 , 2 , 0 ,6 and 3) are .... and ....

(23) The largest and the smallest 5-digit number formed from the digits (4 , 8 and 5) are .... and ....

(24) 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = ... X ..... = ...

(25) 5 + 5 + 5 + 5 + 5 + 5 + 5 = ... X ..... = ...

(26) 5 X 8 = ... + ... + ... + ... + ... = ...

(27) 4 X 4 = ... + ... = ...

(28) 7 + 7 + 7 + 7 + 7 = 5 X .... = ...

(29) 4 + 4 + 4 + 4 = 2 X .... = ...

(30) 5 X 8 = 4 X .... = ...

(31) 6 X 6 = 4 X .... = ...

(32) 52 X 10 = ...

(33) 16 X 10 = ...

(34) 7 X .....= 70

(35) 32 ÷ ...... = 8

(36) 35 ÷ ...... = 5

(37) 4 X .....= 40

(38) 86 X ..... = 860

(39) 55 X ..... = 550

(40) ...... ÷ 8 = 4

(41) ...... ÷ 5 = 7

(42) 8 X 50 = ... X ...... X ...... = ... X ...... = ...

(43) ...... X ...... = 5 X 9 X 10 = ... X ...... = ...

(44) ...... X ...... = 5 X ...... X ...... = 35 X 10 = ...

(45) ...... X ...... = ... X 7 X ...... = 49 X 10 = ...

(46) An hour and a half = ... + ... = ... minutes

(47) An hour and 25 minutes = ... + ... = ... minutes

(48) 2 hours and 55 minutes = ... + ... = ... minutes

(49) 95 minutes = ... hours + ... minutes

(50) 130 minutes = ... hours + ... minutes

(51) 5 cm = ... mm.

(52) 10 cm = ... mm.

(53) 7 m = ... cm

(54) 12 m = ... cm

(55) 12 cm + 8 mm = ... + ... = ... mm.

(56) 20 m + 12 cm = ... + ... = ... cm.

(57) 162 mm = ... cm + ... mm.

(58) 225 cm = ... m + ... cm.

(59) The quadrilateral is a polygon that has .... sides.

(60) Two pairs of adjacent sides are equal in ....

(61) All sides are equal in .... and ....

(62) In the rectangle all angles are ....

(63) Each two opposite sides are equal and paralle in

................, ..., ..., ...

(64) The pentagon has .... sides , ... angles and ..... vertices.

(65) The .... has 5 sides and .... has 6 sides.

(66) To measure the capacity of the tea cup we use ....

(67) The litre is used to measure ....

(68) 2 liters = ... milliliters

(69) 7 000 ml = ... litres

(70) The volume of water in the pool is measured by ....

Third Answer the following

(1) Complete the pattrern :

a ○△□ , ○△□ , ○△□ , ... , ...

b AB , AABB , AAABBB , ... , ...

c UN , UN , UN , ... , ...

d .... , ...

e .... , ...

f

5 260	5 250	5 240	....
....	5 210	....	....
5 180	....	....	5 150
....	5 130	5 120	....

The pattern ....

g

57 020	56 020	55 020	....
53 020	....	....	50 020
....	48 020	....	....
....	....	43 020	....

The pattern ....

h) 30 , 27 , 24 , 21 , ... , ... , ... , ... , ... , ... , ...

i) 0 , 4 , 8 , 12 , ... , ... , ... , ... , ... , ... , ...

(2) Complete the following table :

	The Number	The value of the encircled digit	The place-value of the encircled digit
a	455 369	....	....
b	362 512	....	....
c	280 239	....	....
d	696 274	....	....
e	51 780	....	....

(3) Complete using < , = or > :

a) 345 123 ☐ 600 201

b) 788 250 ☐ 788 520

c) 441 002 ☐ 441 020

d) 99 999 ☐ 100 010

e) 5 628 ☐ 5 268

f) 39 020 ☐ 39 200

g) 5 tens + 7 thousands + 4 hundreds ☐ 7 405

h) Twenty thousand and twenty ☐ 2 020

i) 500 000 + 50 000 + 500 + 5 ☐ 555 005

j) 3 600 + 36 ☐ 360 036



j An hour and a quarter ☐ 95 minutes

k 2 hours and 25 minutes ☐ 150 minutes

l 6 cm + 7 mm ☐ 67 mm

m 20 m + 12 cm ☐ 212 cm

n 2 liters ☐ 2 200 milliliters

---

(4) The following data shows the weights of 20 children. (in Kilograms) . Creat a line plot using these data.

55 , 50 , 54 , 54 , 51 , 55 , 52 , 53 , 57 , 58

58 , 58 , 58 , 54 , 53 , 57 , 51 , 50 , 50 , 52

a The lowest value : .... The largest value : ....

b The number of times each number is repeated

The weight	......	......	......	......	......	......	......	......	......
Frequancy	......	......	......	......	......	......	......	......	......

c The line plot :

....

$x =$ ....

(5) Arrange each group of the following numbers in an ascending order and in a descending order :

a 32 023 , 98 123 , 75 023 , 54 987 , 20 368

The ascending order :

.... , ... , ... , ... , ...

The descending order :

.... , ... , ... , ... , ...

---

b 500 368 , 500 638 , 500 863 , 500 386 , 500 683

The ascending order :

.... , ... , ... , ... , ...

The descending order :

.... , ... , ... , ... , ...

---

c 8 000 , 1 800 , 18 000 , 1 008 , 10 008

The ascending order :

.... , ... , ... , ... , ...

The descending order :

.... , ... , ... , ... , ...

---

(6) Use the 120 char , to find :

a List the common multiples of 2 and 3 up to 30 :

....

....

b List the common multiples of 5 and 4 up to 40 :

....

c List the common multiples of 6 and 9 up to 60 :

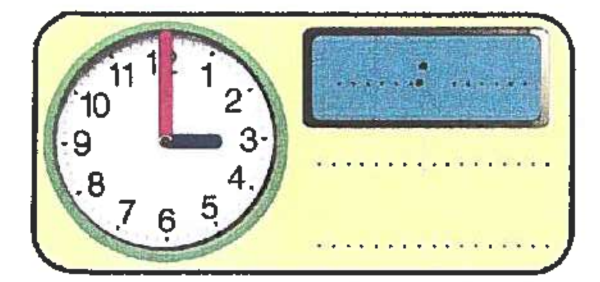
....

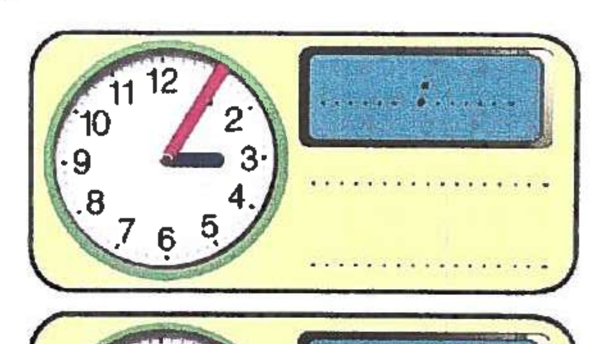
(7) **Complete:**

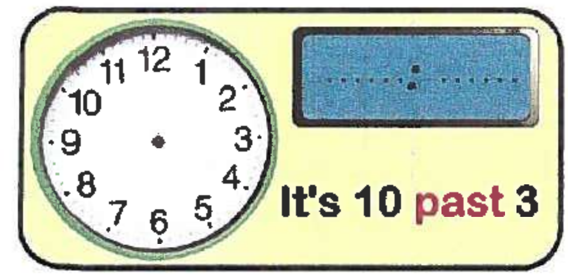
2 X 2 = ...	2 X 3 = ...	2 X 4 = ...
3 X 3 = ...	2 X 5 = ...	3 X 4 = ...
2 X 6 = ...	2 X 7 = ...	3 X 5 = ...
4 X 4 = ...	2 X 8 = ...	3 X 6 = ...
2 X 9 = ...	4 X 5 = ...	3 X 7 = ...
4 X 6 = ...	3 X 8 = ...	5 X 5 = ...
3 X 9 = ...	4 X 7 = ...	5 X 6 = ...
4 X 8 = ...	5 X 7 = ...	4 X 9 = ...
6 X 6 = ...	5 X 8 = ...	6 X 7 = ...
5 X 9 = ...	6 X 8 = ...	7 X 7 = ...
6 X 9 = ...	7 X 8 = ...	8 X 8 = ...
7 X 9 = ...	8 X 9 = ...	9 X 9 = ...

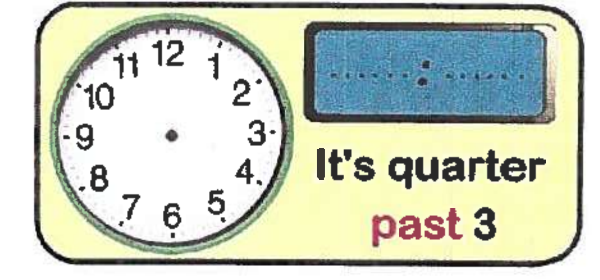
2 X .... = 4	6 X .... = 18	9 X .... = 36
3 X .... = 6	5 X .... = 20	8 X .... = 40
4 X .... = 8	7 X .... = 21	7 X .... = 42
3 X .... = 9	8 X .... = 24	9 X .... = 45
5 X .... = 10	6 X .... = 24	8 X .... = 48
6 X .... = 12	5 X .... = 25	7 X .... = 49
4 X .... = 12	9 X .... = 27	9 X .... = 54
7 X .... = 14	7 X .... = 28	8 X .... = 56
5 X .... = 15	6 X .... = 30	9 X .... = 63
4 X .... = 16	8 X .... = 32	8 X .... = 64
8 X .... = 16	7 X .... = 35	9 X .... = 72
9 X .... = 18	6 X .... = 36	9 X .... = 81

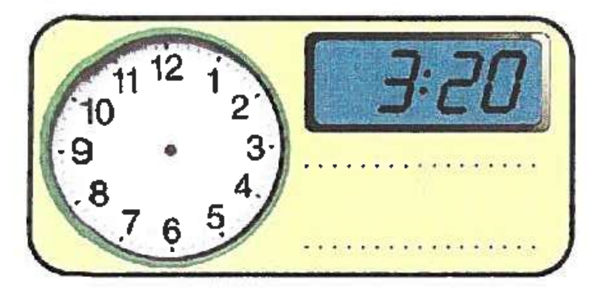
(8) **Complete the following**

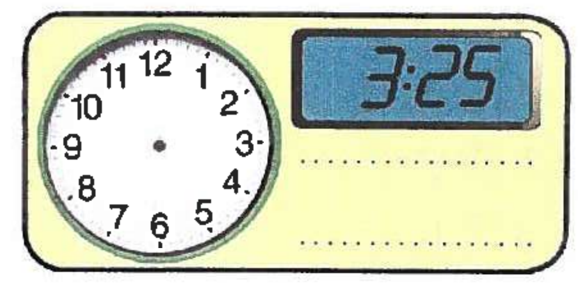


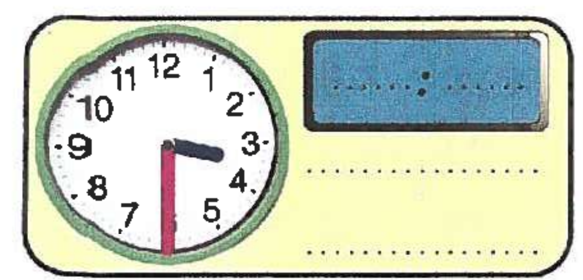


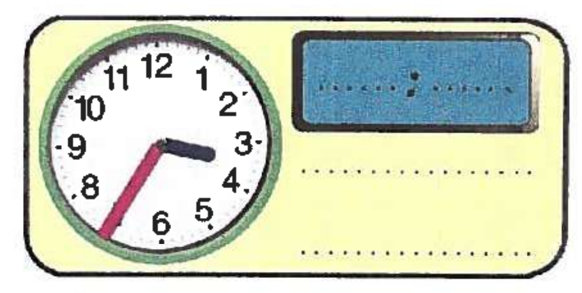


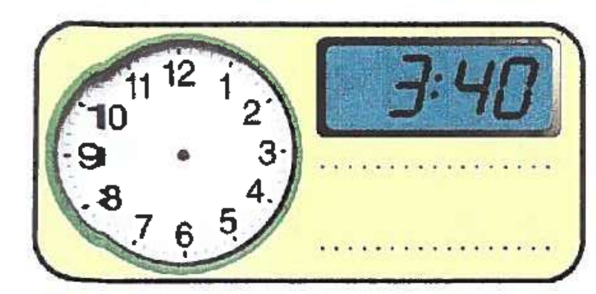


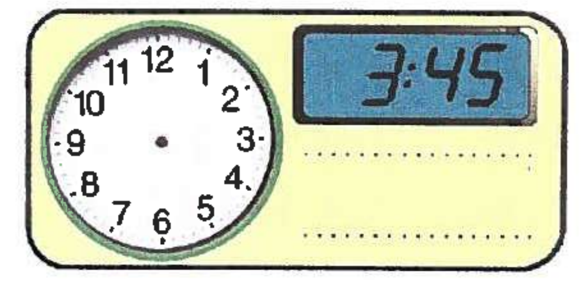


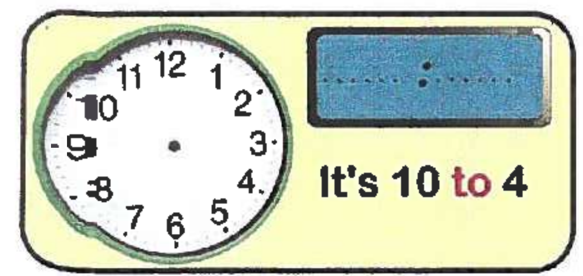


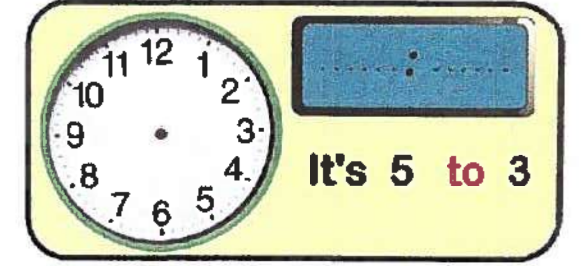






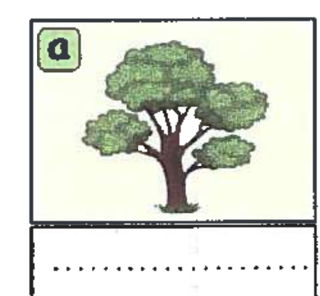


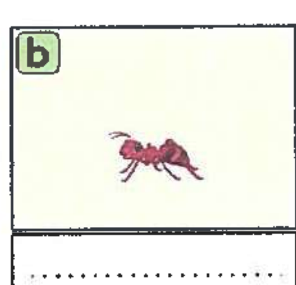


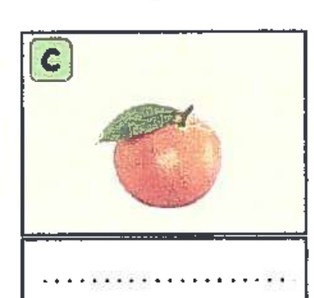




(9) See the pictures below. Determine what is the appropriate unit of length for measuring these things :
[millimeter (mm) , centimeter (cm) or meters (m).]
Then write it under the picture


....

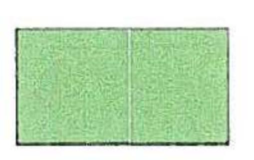

....


....

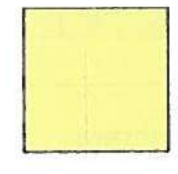

....

(10) **Write the name of each quadrilateral :**


....


....


....

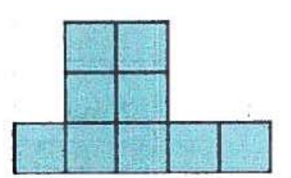

....


....


....

(11) **Find the area and the perimeter of each shape :**

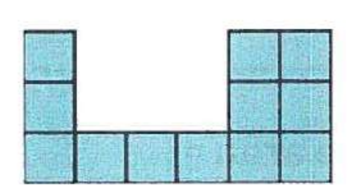




The area = ... square unit

The perimeter = liner unit



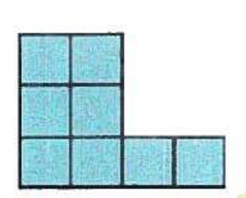


The area = ... square unit

The perimeter = liner unit

c The area = ... square unit

The perimeter = ... liner unit

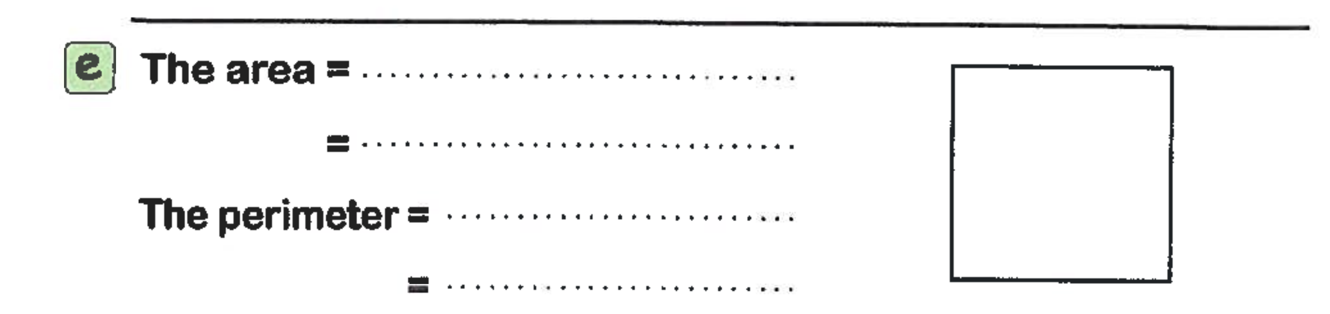


d The area = ...

= ....

The perimeter = ...

= ....

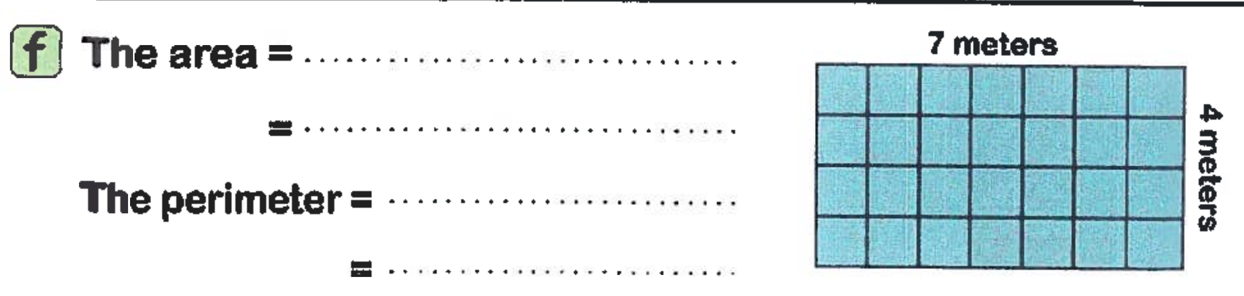


e The area = ...

= ....

The perimeter = ...

= ....

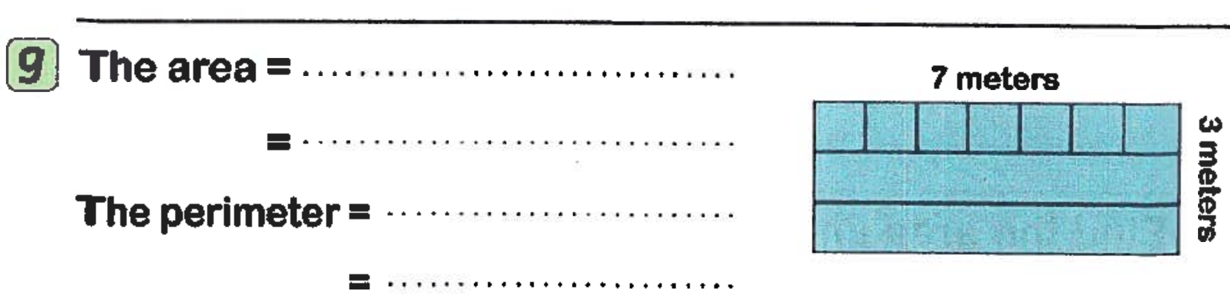


f The area = ...

= ....

The perimeter = ...

= ....

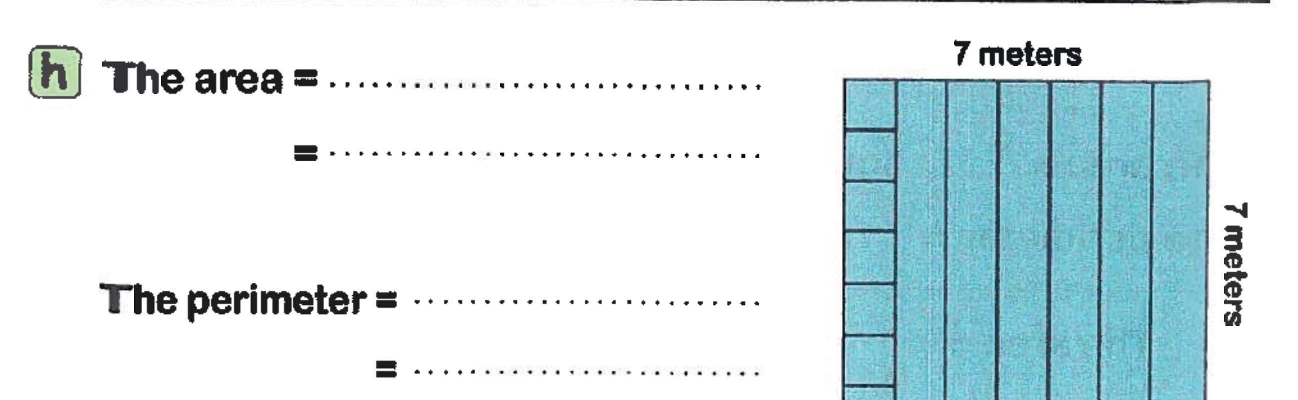


g The area = ...

= ....

The perimeter = ...

= ....



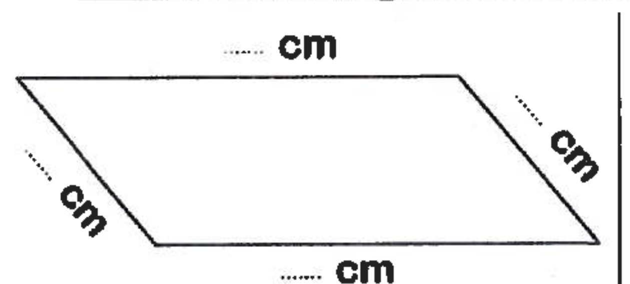
h The area = ...

= ....

The perimeter = ...

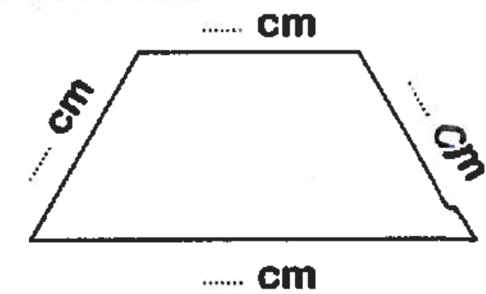
= ....

(12) Use your ruler to measure each of the side lengths of the following then find the perimeter



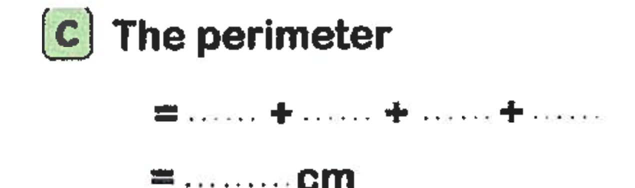
a The perimeter

= .... + ... + ... + ... = ... cm



b The perimeter

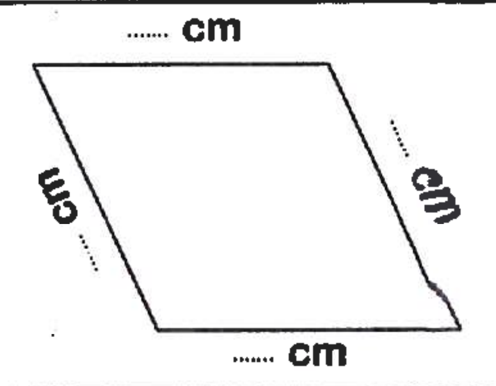
= .... + ... + ... + ... = ... cm



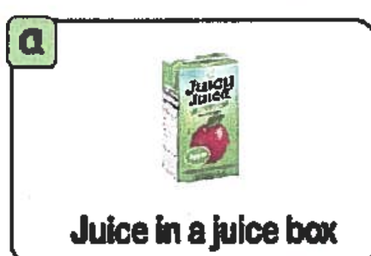
c The perimeter

= ...... + ... + ... + ...

= .... cm

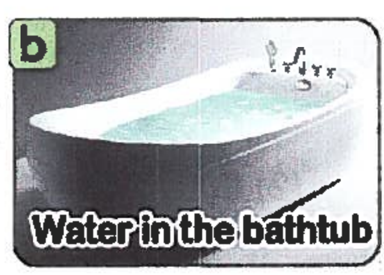


(13) What is better for measuring the volume of liquid in (capacity)? [Milliliter or liter]



a Juice in a juice box

Milliliter | Litre



b Water in the bathtub

Milliliter | Litre



c Perfume in a bottle

Milliliter | Litre



d Dishwashing soap

Milliliter | Litre



e Water in a bottle

Milliliter | Litre



f Shampoo in a bottle

Milliliter | Litre

Model 1

First Choose the correct answer

a Twelve thousand , two hundred and two = ...

(12 202 *or* 12 022 *or* 10 212)

b 40 hundreds ☐ 4000 tens (< *or* = *or* >)

c 8 + 8 + 8 = ... (8 X 3 *or* 8 X 8 *or* 8 + 3)

d 40 ÷ ...... = 5 (10 *or* 8 *or* 5)

e The place-value of the 9 in the number 695 003 is

(Tens *or* Ten-thousands *or* Hundred thousands)

Second Complete the following

a The number of sides of the hexagon is ....

b The quadrilaterals that have 4 right angles are

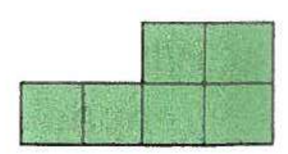
.... and ....

c 54 , 48 , 42 , ... , ... , ...

d The smallest 6-different-digit number is ....

e The area of the opposite figure

is .... Liner unit



Third Answer the following

a Find the result :

(1) 456 + 244 = ... (2) 800 - 325 = ... (3) 6 X 8 = ...

b Arrange the following numbers in a descending order .

10 000 , 15 000 , 999 , 90 000 , 909 000

.... , ... , ... , ... , ...

c Each basket holds 12 oranges , How many oranges are there in 5 baskets ? ....

d Use the 120 chart to write the common multiples of 6 and 8 up to 100 ....



Model 2

First Choose the correct answer

a The number 40 100 comes right after ....

(40 101 *or* 40 199 *or* 40 099)

b 50 hundreds + 40 thousands + 2 ones + 7 tens = ...

(504 027 *or* 45 072 *or* 40 572)

c 6 X 3 = ... (6 + 6 + 6 + 6 + 6 +6 *or* 3 + 3 + 3 *or* 9 + 9)

d 70 minutes ☐ 1 hour and a quarter ($<$ *or* $=$ *or* $>$)

e The better unit to measure the volume of the soda in a can is .... (Liter *or* Milliliter)

Second Complete the following

a The polygon that has 4 sides is called ....

b The smallest 6-digit number formed from the digits (7 , 2 and 5) is ....

c 6 X 18 = 6 X ..... + 6 X .....

d 205 mm = ... cm + ... mm

e The perimeter of the opposite figure is ..... square unit

Third Answer the following

a Find the result :

(1) 9 X 8 = (.... X 10) – .... = ...

(2) 7 ⟌ 42 ......

b Write the name of each quadrilatera :

....

c Write the time :



....

....



....

....

First Choose the correct answer

a) The smallest 5-different- digit number is ....

(10 234 *or* 12 345 *or* 10 000)

b) 205 cm ☐ 20 m + 5 cm (< *or* = *or* >)

c) 9 X....= (9 X 10) - 9 (8 *or* 9 *or* 10)

d) The better unit to measure the length of a pencil is ....

(Millimeter *or* centimeter *or* Meter)

e) 9 + 200 + 7 000 + 60 = ... (9 276 *or* 7 296 *or* 7 269)

Second Complete the following

a) The number of sides of the octagon is ....

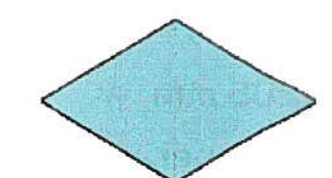
b) The number that comes right after 200 099 is ....

c) 560 201 (In the word form) ....



d) The opposite figure is called ....

, it has ..... sides and all sides are



e) 110 minutes = ... hours + ... minutes

Third Answer the following

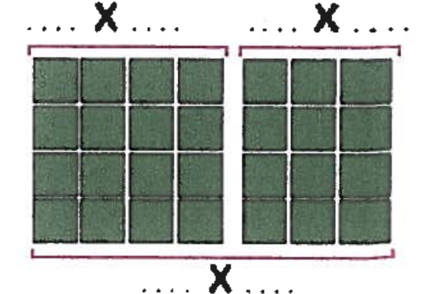
a) 

Use the opposite array ti complete :

(1) (.... X ....) + (.... X ....)

= .... X (.... X ....)

= .... X .... = ...

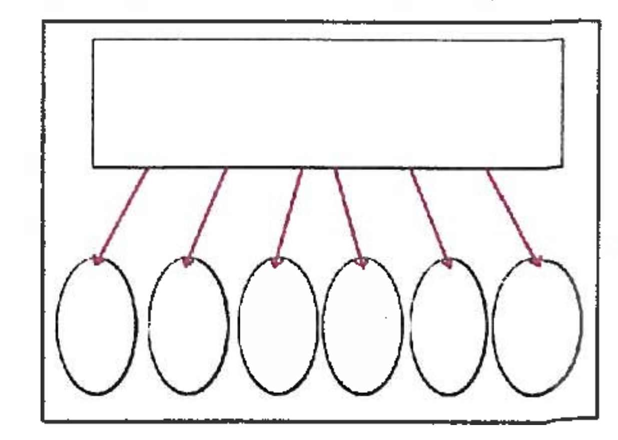


b) The teacher has 36 crayons to share equally between 6 students.

What is the share of each ?

Draw a part-part-whole model to s how your answer .

...... ÷ .... = ...



First Choose the correct answer

a) The volume of the tea in a cup can be

(2 Liters *or* 200 liters *or* 200 milliliters)

b) All sides are equal in length in ....

c) (Parallelogram *or* Rhombus *or* Kite)

d) The polygon that has 5 sides is called ....

e) (quadrilateral *or* pentagon *or* hexagon)

The better unit used to measure the length of an insect is ....

(meter *or* centimeter *or* millimeter)

The smallest number formed from the digits (5 , 8 , 7 , 0 and 4) is .... (87 540 *or* 45780 *or* 40 578)

Second Complete the following

a) An hour and a quarter = ... + ... = ... minutes

b) 16 , 24 , 32 , 40 , 48 , ...

c) 670 670 = 670 + ...

d) The value of the digit 0 in the number 75 036 is ....

e) 502 thousands + 704 hundreds = ...

Third Answer the following

a) Use the number line strategy to find :

(1) 525 + 287 = ...

(2) 628 - 327 = ...

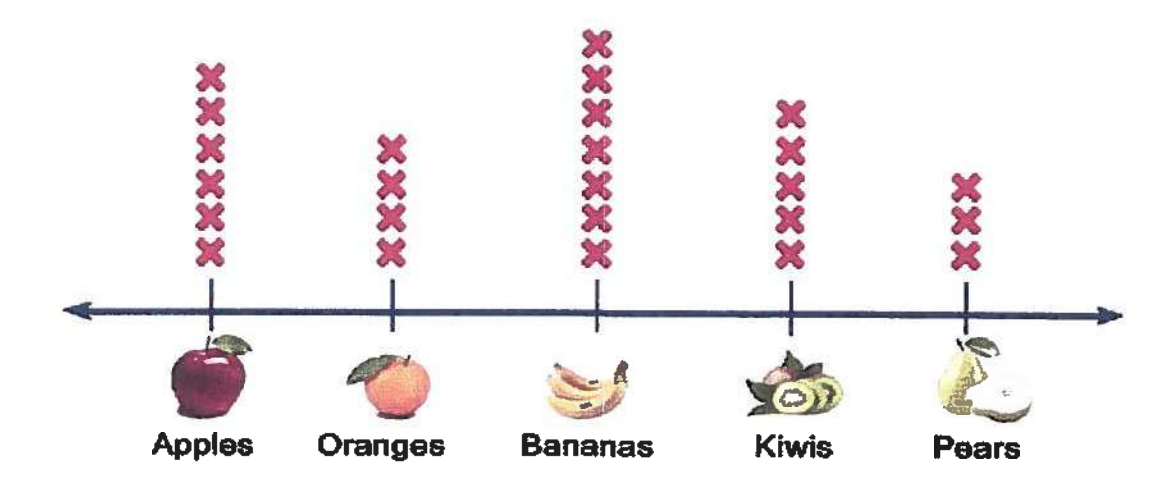
b Arrange the following numbers in an ascending order .

25 250 , 25 025 , 25 520 , 25 205 , 25 502

............, ..., ..., ..., ...

---

c The following line plot shows the favorite fruit types for 25 children :



The favorite fruit

✖ = 1 child

(1) Which fruit is liked the most ? ....

(2) Which fruit is liked the least ? ....

---

d Find the area and the perimeter of the following :

The area = ...

= ....

The perimeter = ...

= ....

Model 5

First Choose the correct answer

a Seven hundred seven thousand and seventy = ...

(707 070 *or* 700 770 *or* 777 000)

b The number that comes right after 399 999 is ....

(399 998 *or* 499 999 *or* 400 000)

c The value of the digit 7 in the number 37 936 is ....

(70 000 *or* 7 000 *or* 700)

d 7 thousands + 200 hundreds + 50 tens = ...

(70 250 *or* 27 500 *or* 207 500)

e The largest 5-digit number = ...

(99 999 *or* 98 765 *or* 90 000)

Second Complete the following

a 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = ... X 6

b 8 X 17 = 8 X 8 + 8 X ...... = ...

c Each chair has 4 legs , then the number of legs that 7 chairs has .... legs

d The better unit of length that used to measure the length of an insect is ....

e A day = ... hours

Third Answer the following

a Use the opposite figure to complete :

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
7	0	0	8	1	0

STANDARD FORM ....

SHORT WORD FORM ....
....

WORD FORM ....
....
....

EXPANDED FORM ....
.... thousands + ... hundreds + ... tens + ... ones

b Complete the missing factor in the triangle

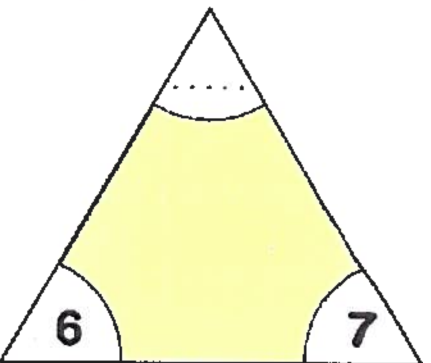
Then complete the equations :

.... x .... = ...

.... x .... = ...

.... ÷ .... = ...

.... ÷ .... = ...

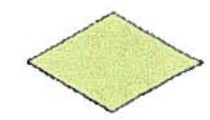


c Match each quadrilateral to its name :

Kite	Parallelogram	Rhombus	Square	Trapezium







d On the grid below, draw and label as many rectangles as you can with the area = 24 square units

Then write equations that match your rectangles.

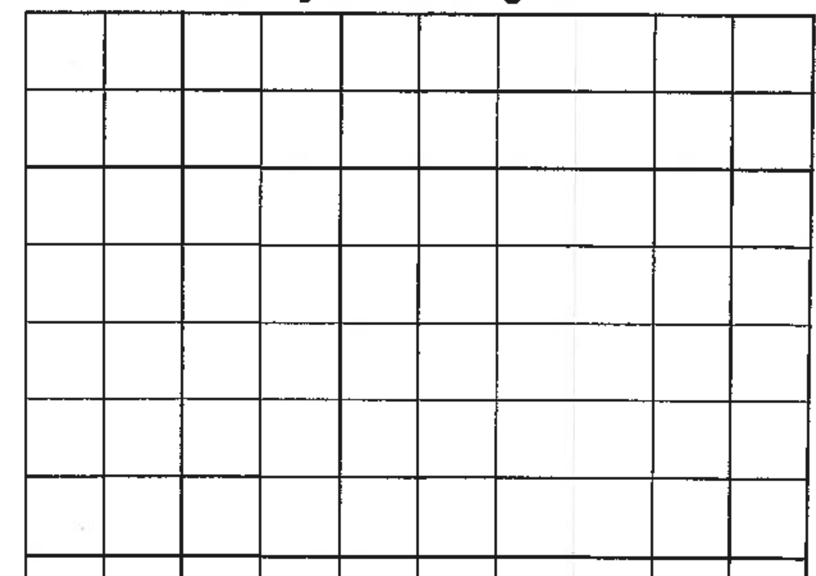
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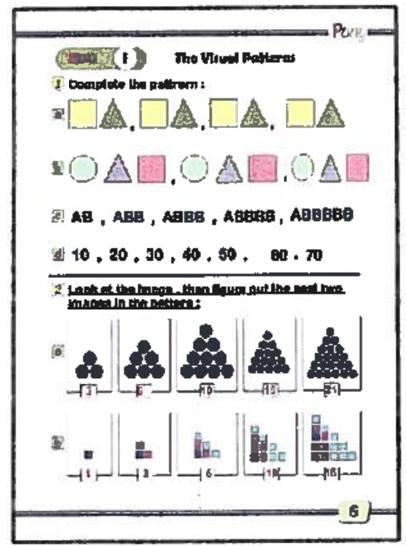


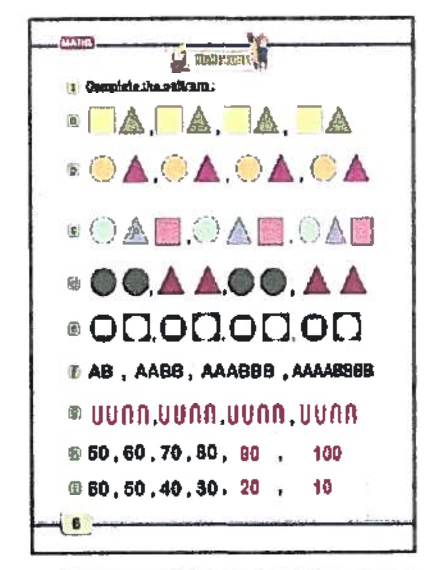
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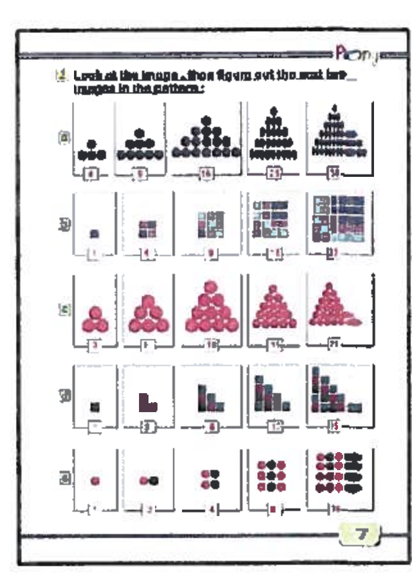
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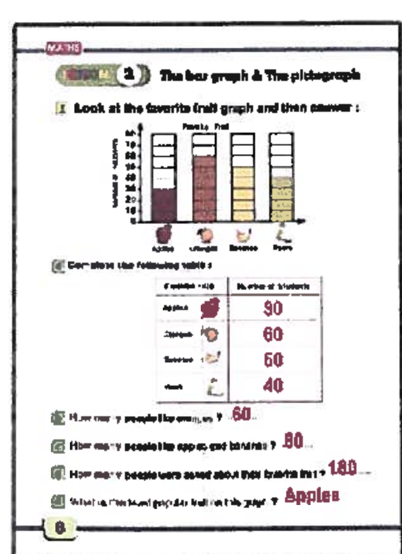


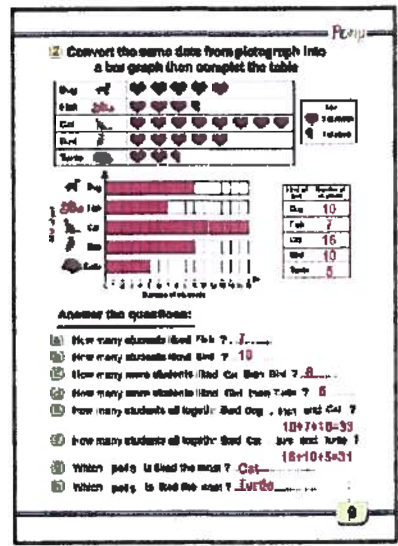
Guide Answers

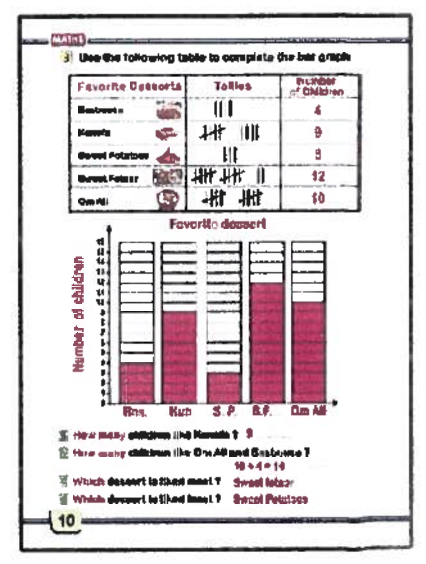

The Visual Patterns
AB , ABB , ABBB , ABBBB , ABBBBB
10 , 20 , 30 , 40 , 50 , 60 , 70

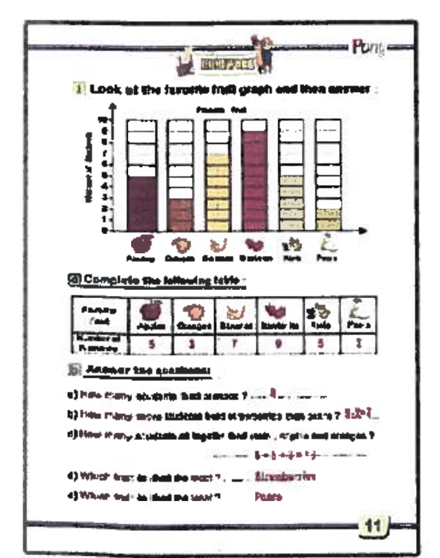

AB , AABB , AAABBB , AAAABBBB
50 , 60 , 70 , 80 , 90 , 100
60 , 50 , 40 , 30 , 20 , 10

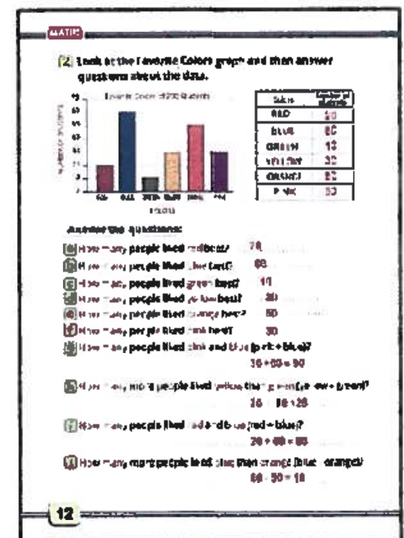


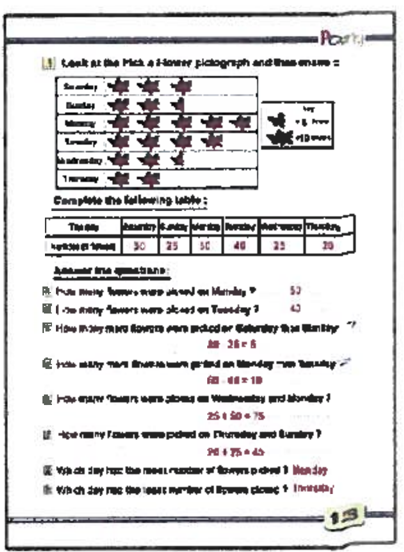

The bar graph & The pictograph

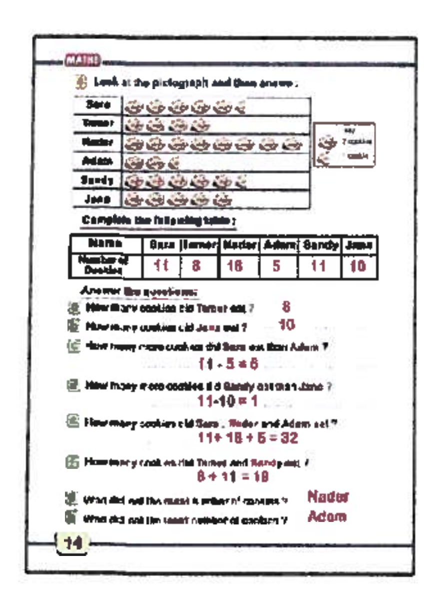
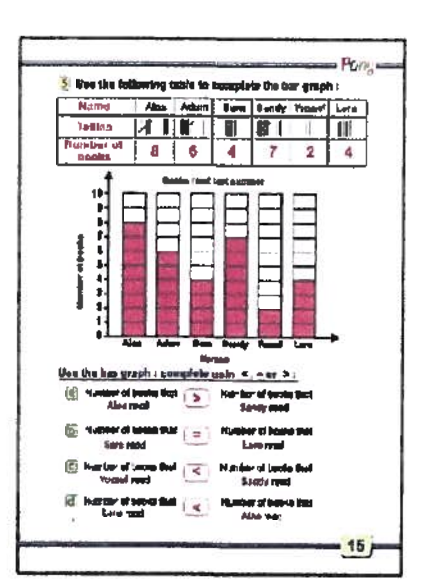
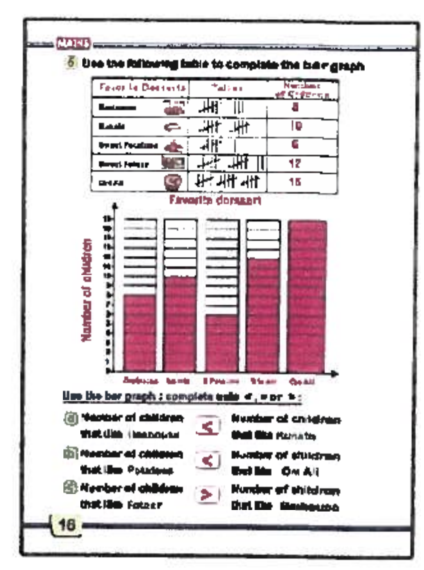
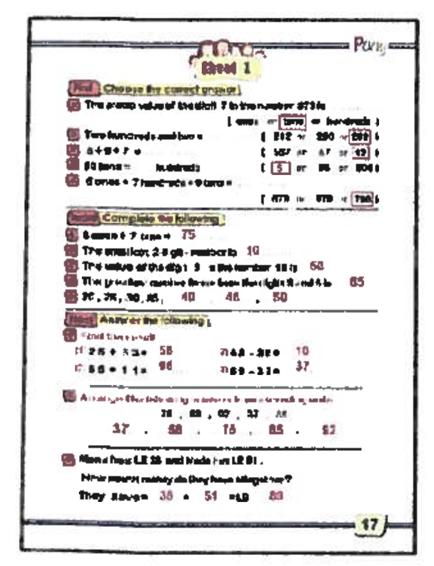
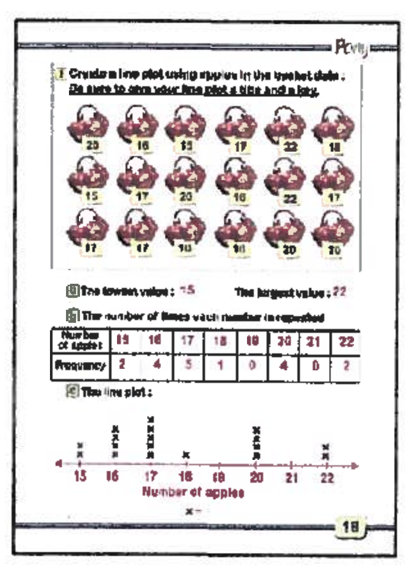
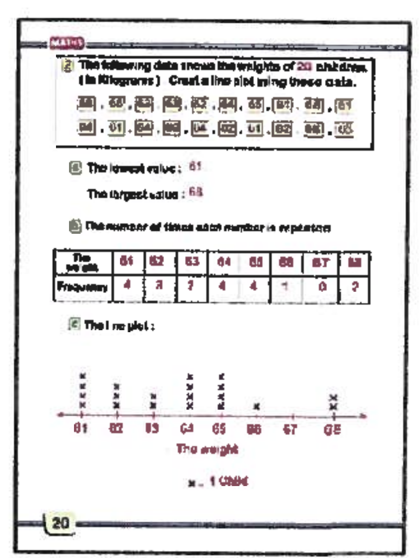
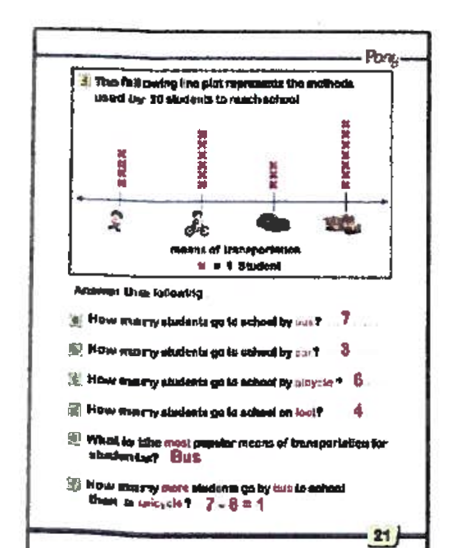
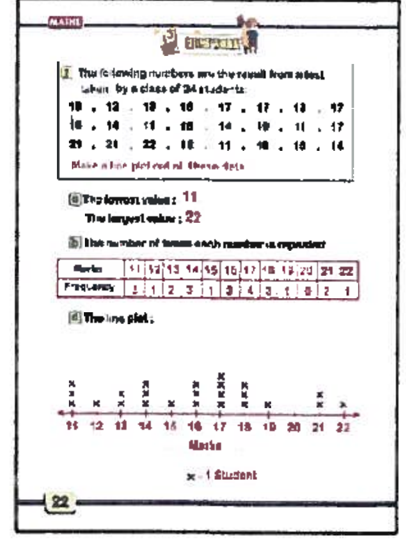
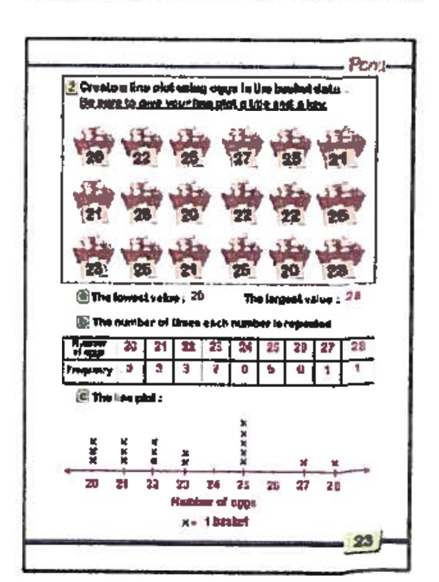


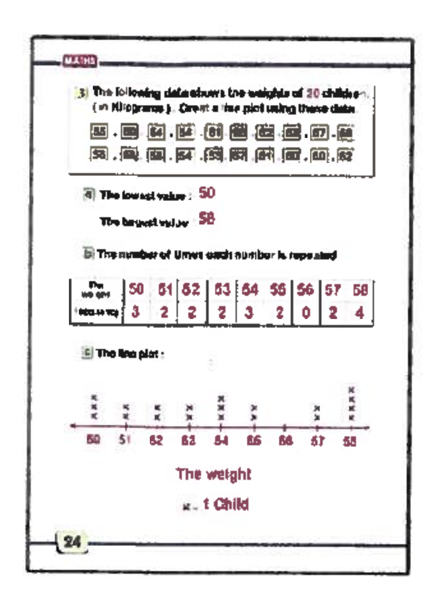


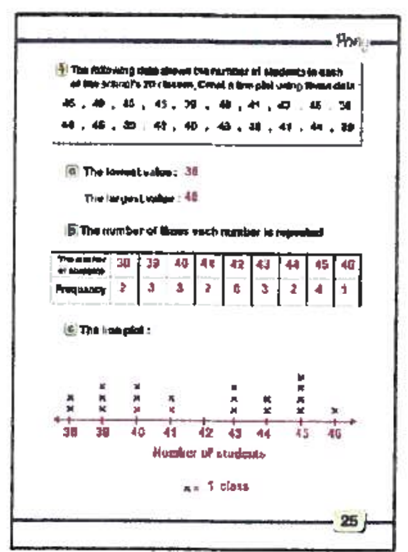


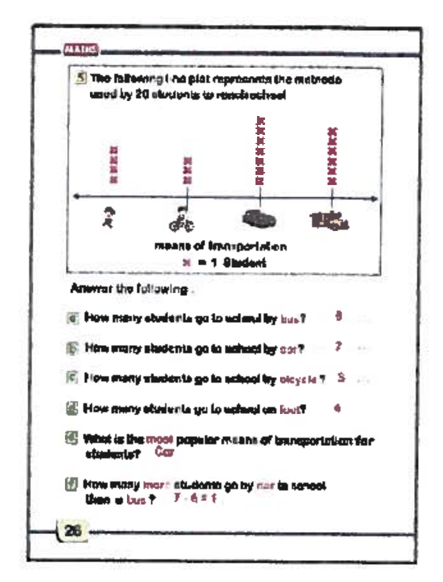


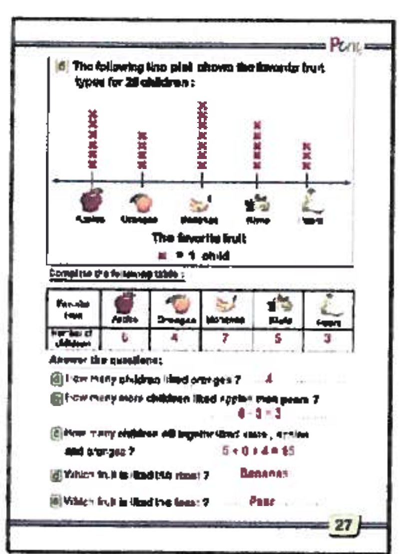


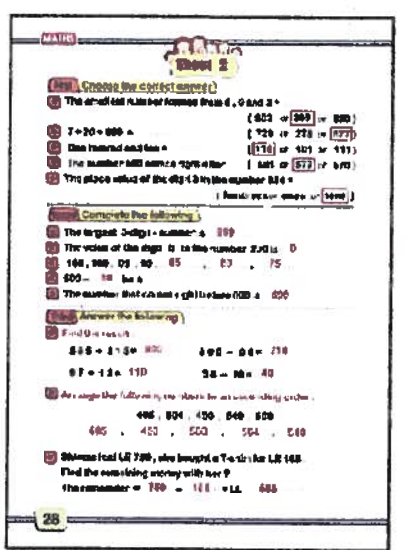










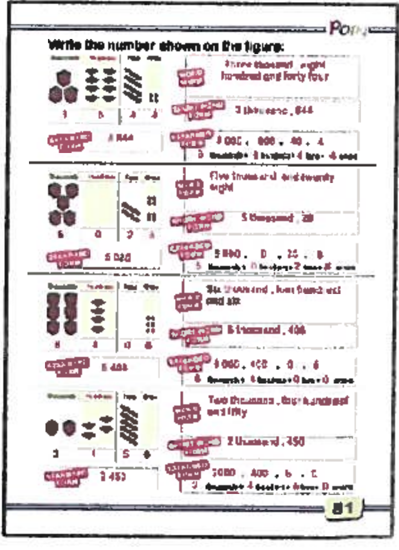


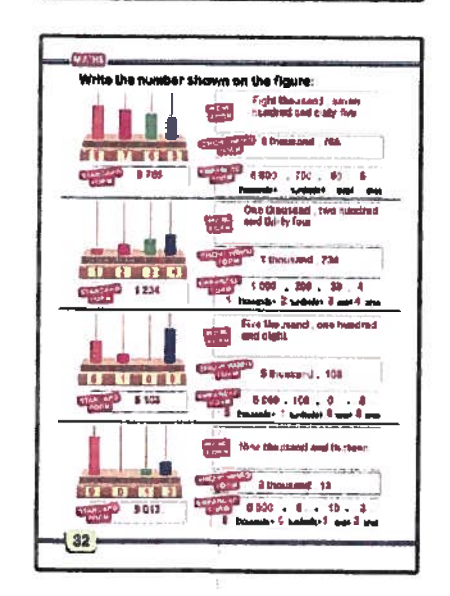


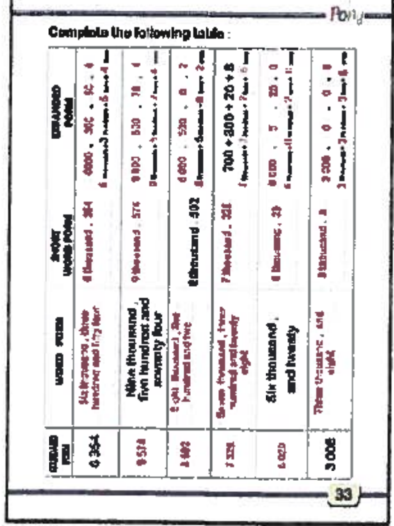


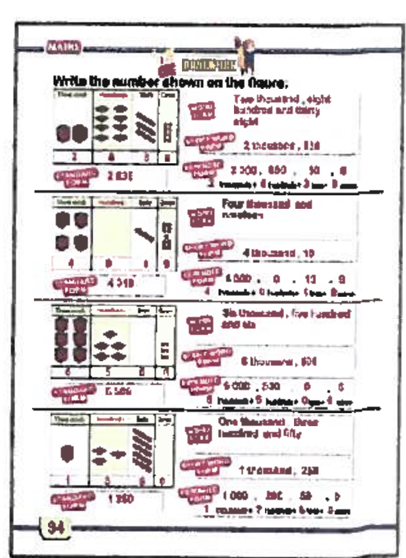


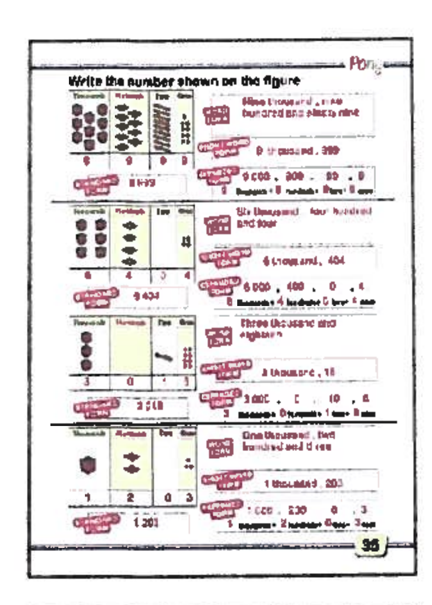


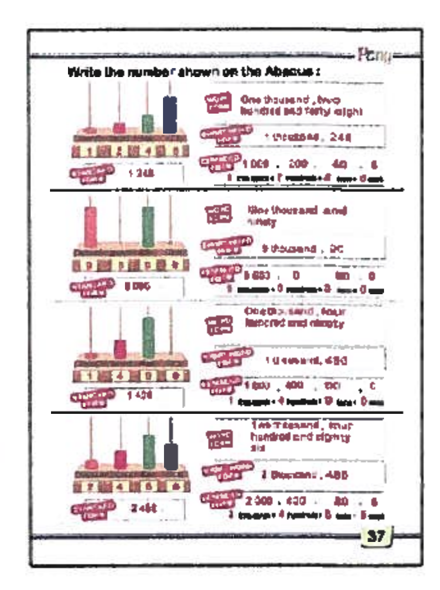
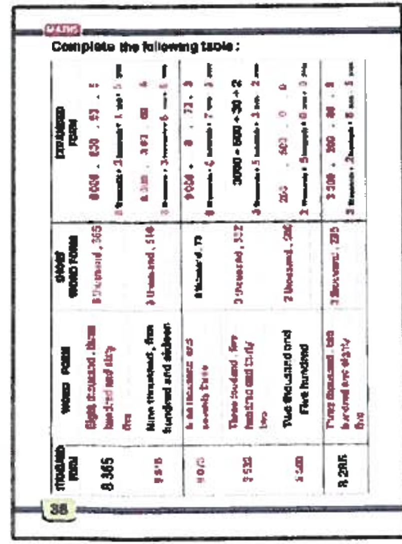
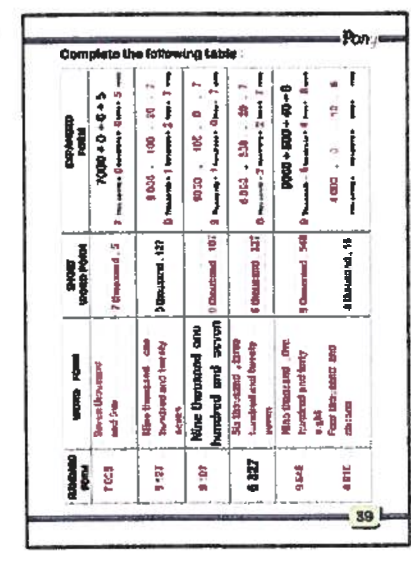
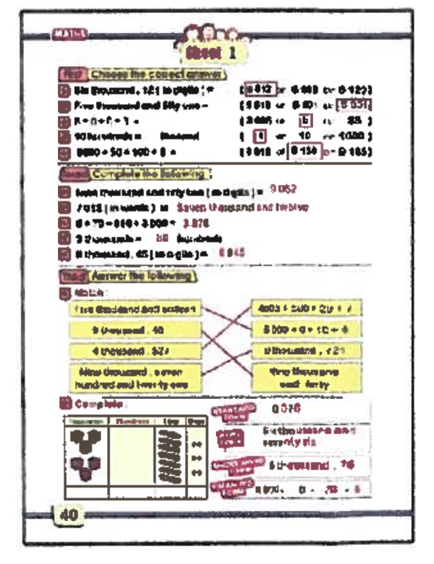
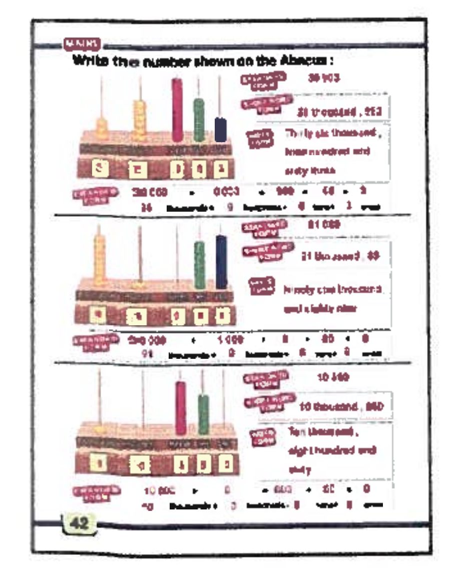
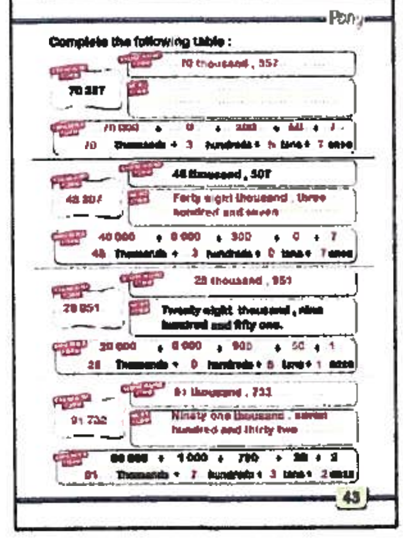
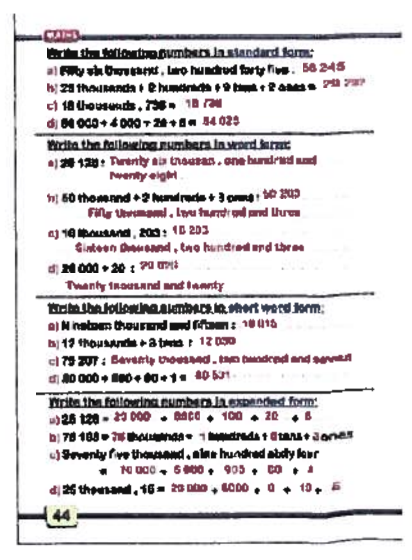


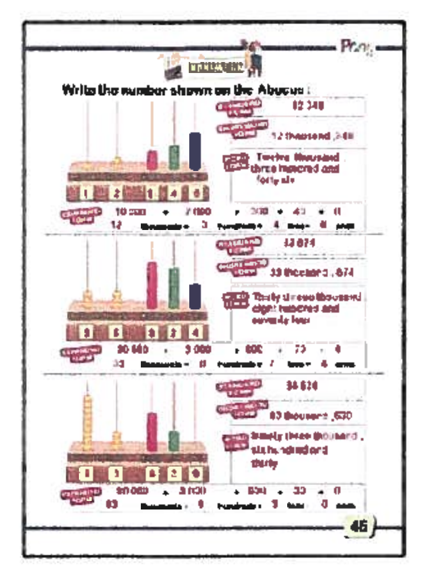
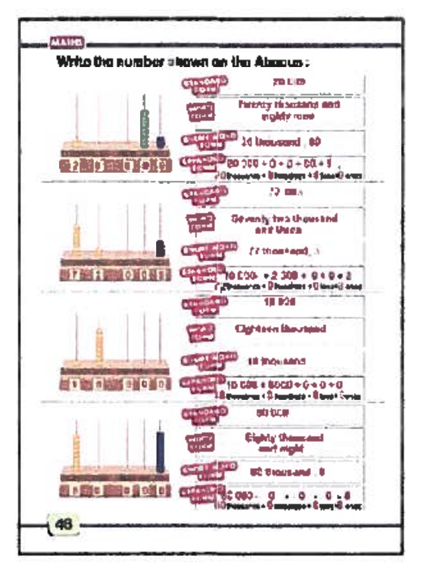
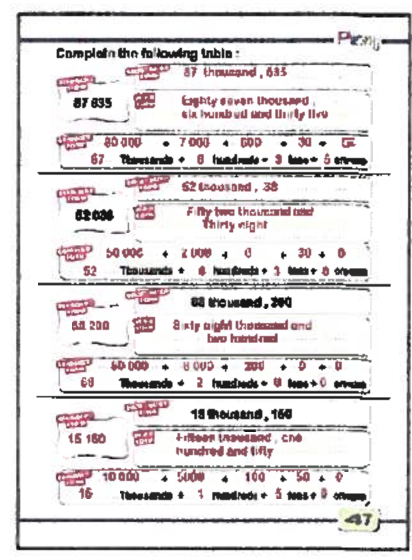
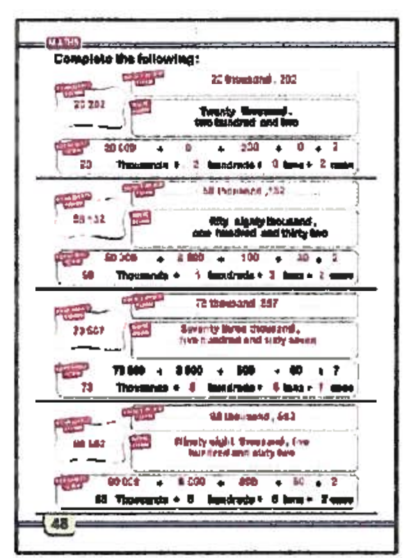
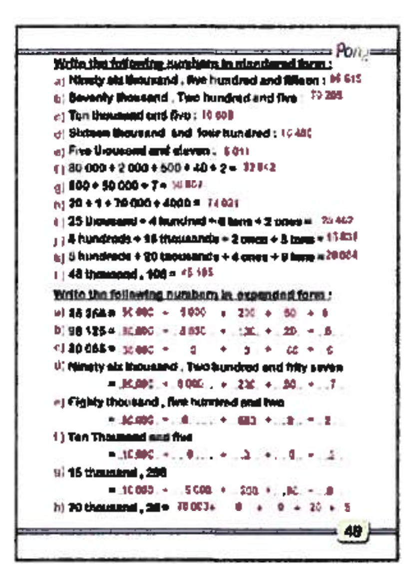
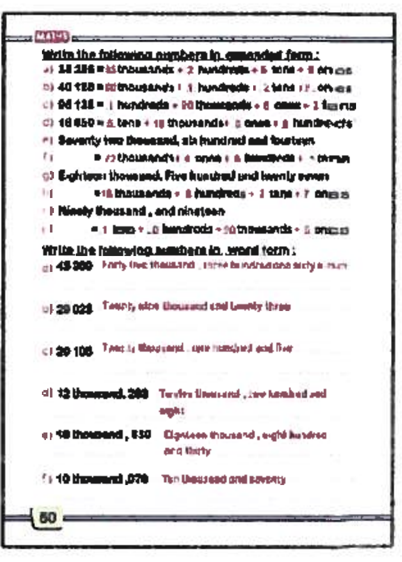
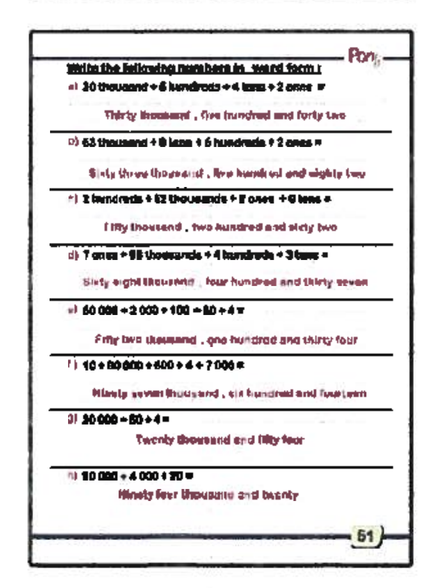
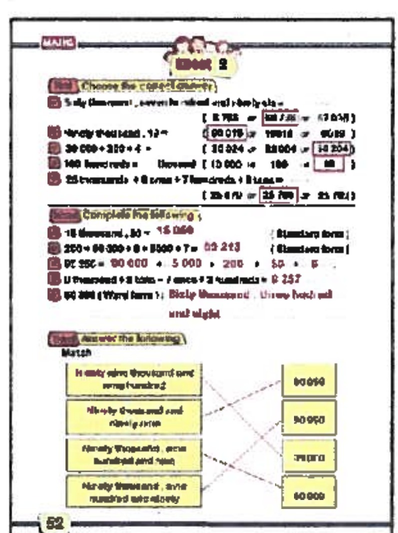
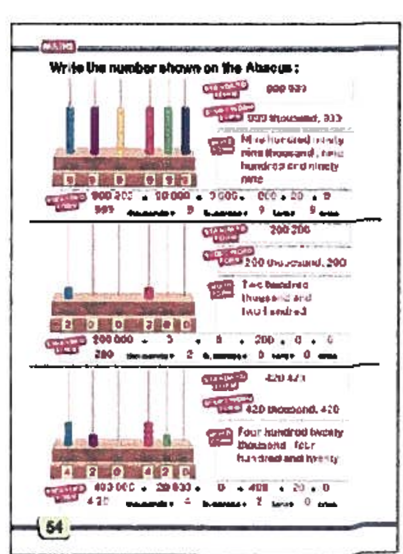


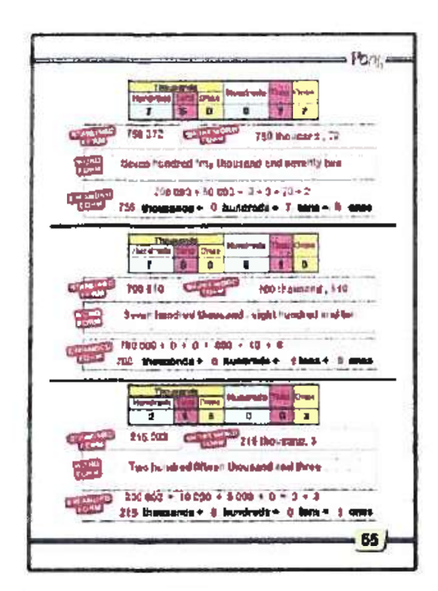
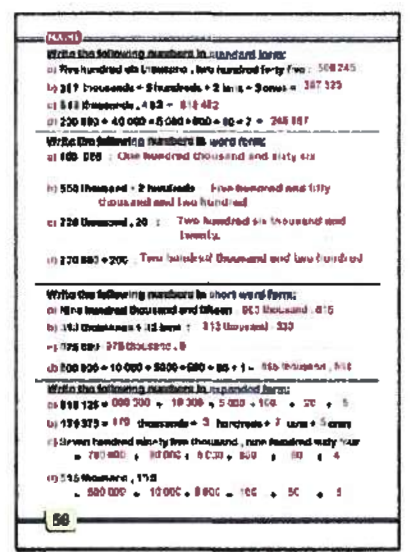
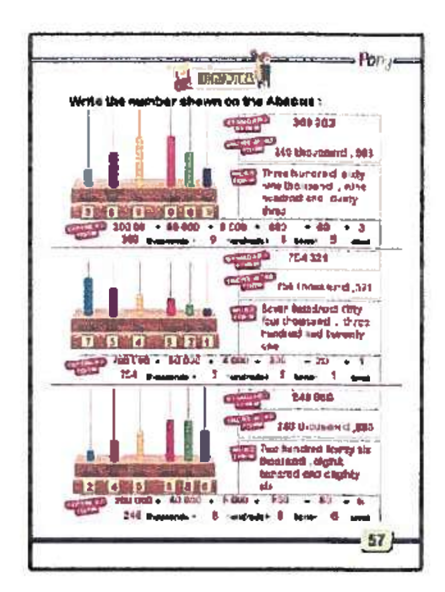
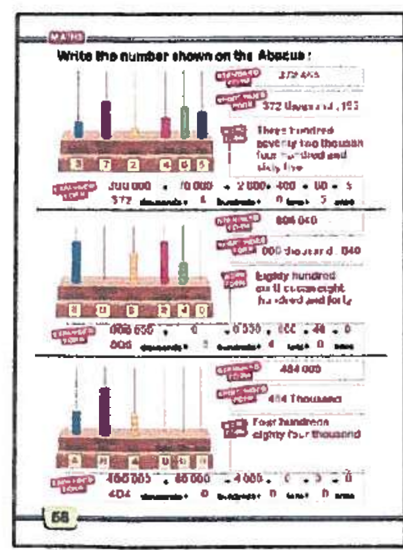
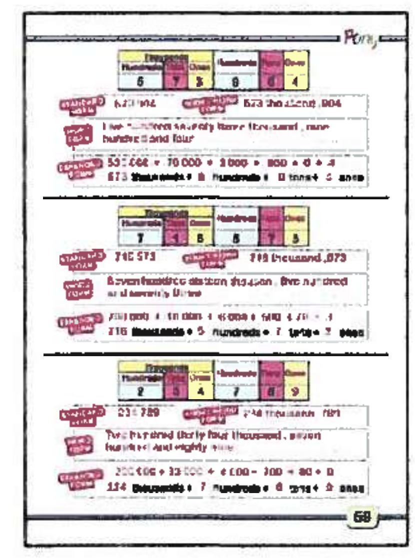
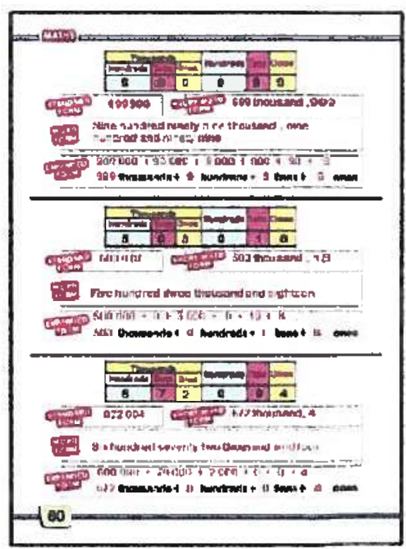
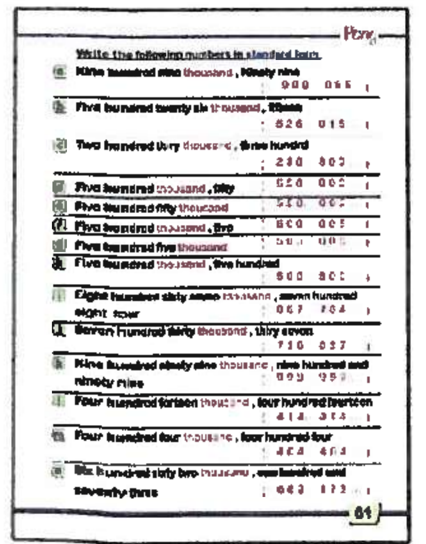
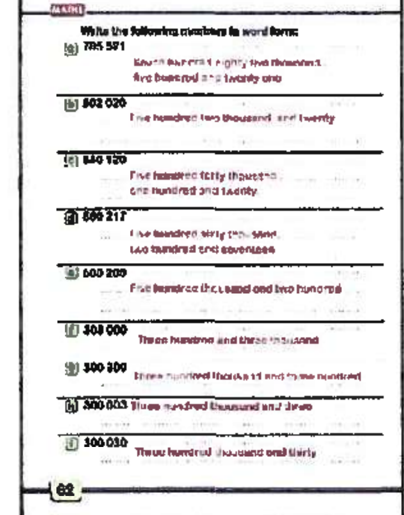
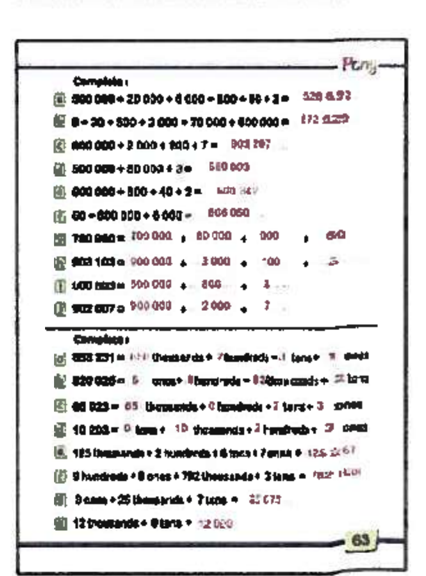


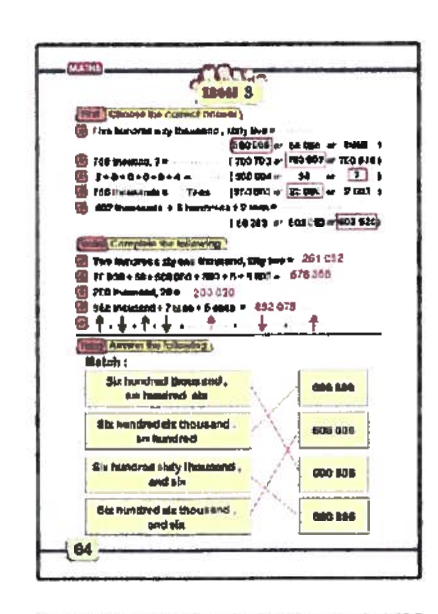


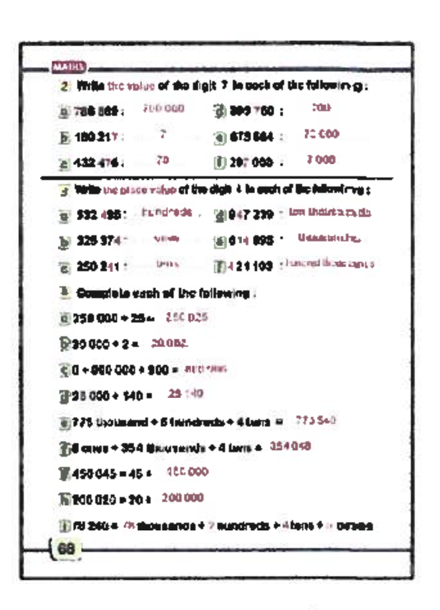


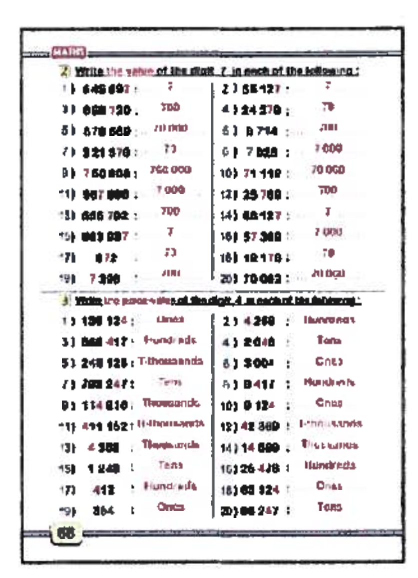








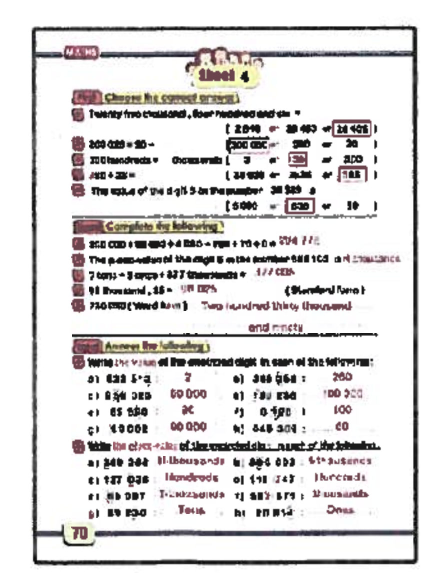
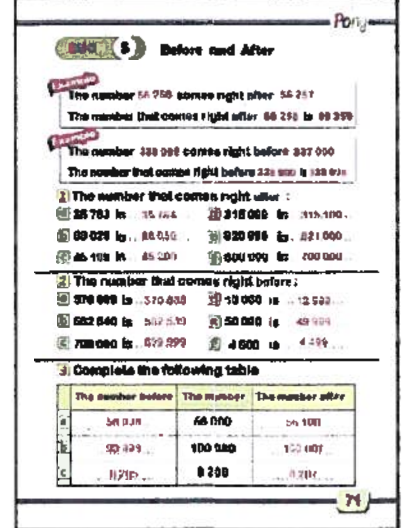
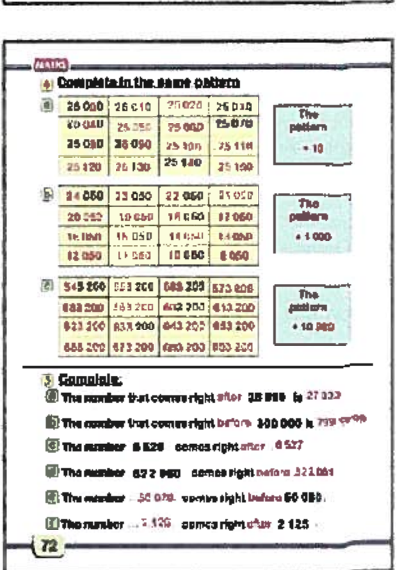










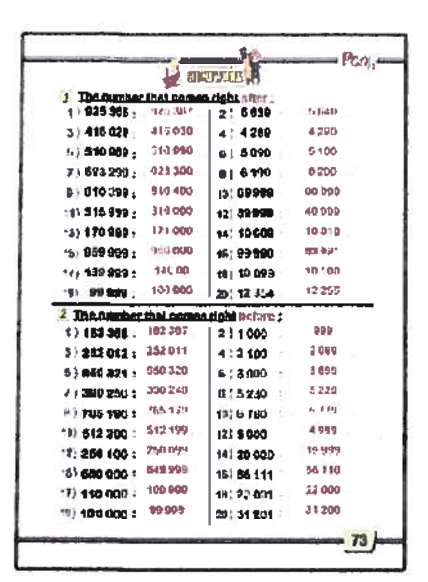
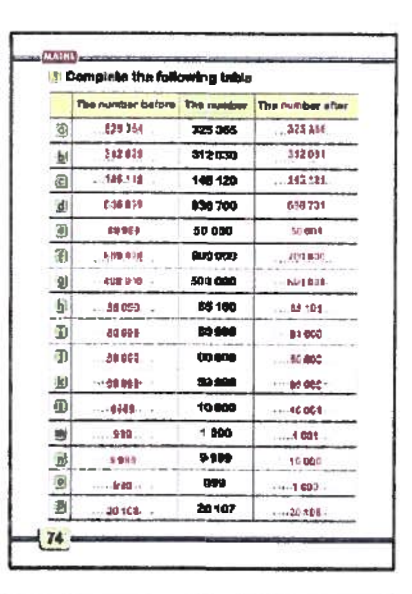
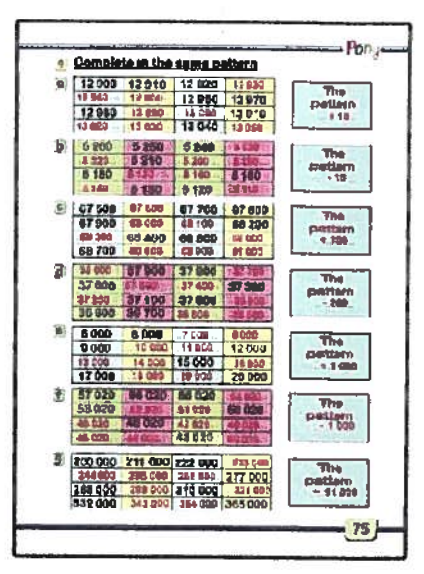
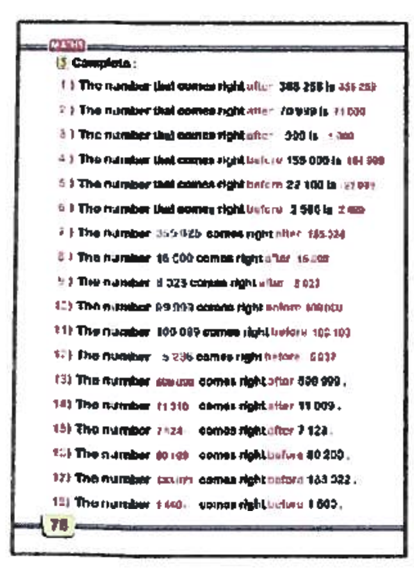
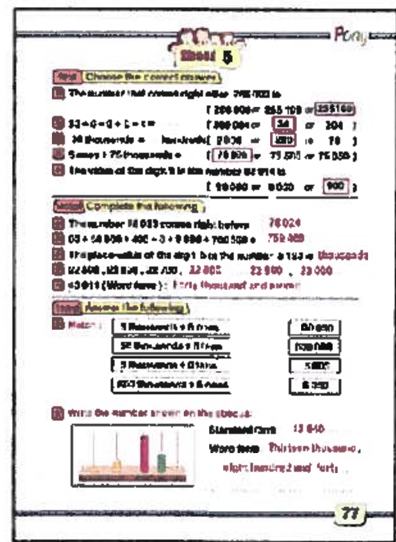










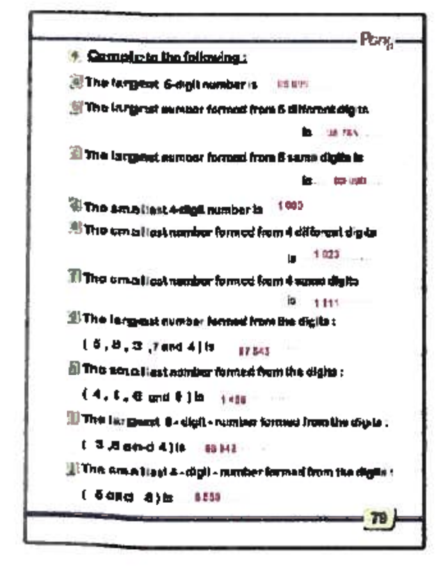
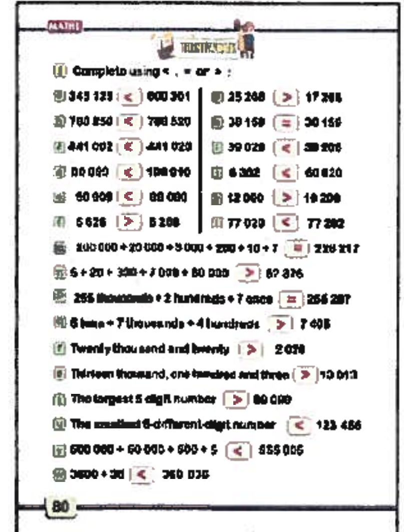
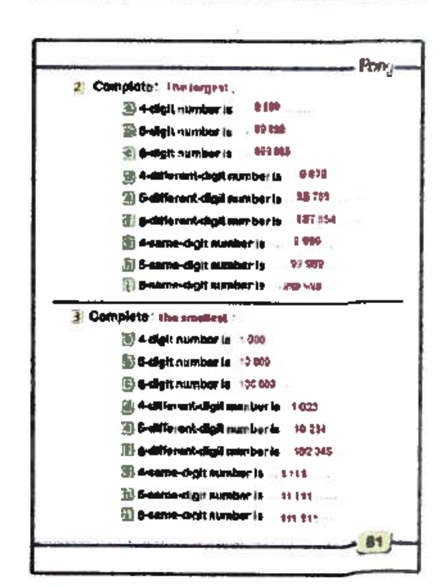


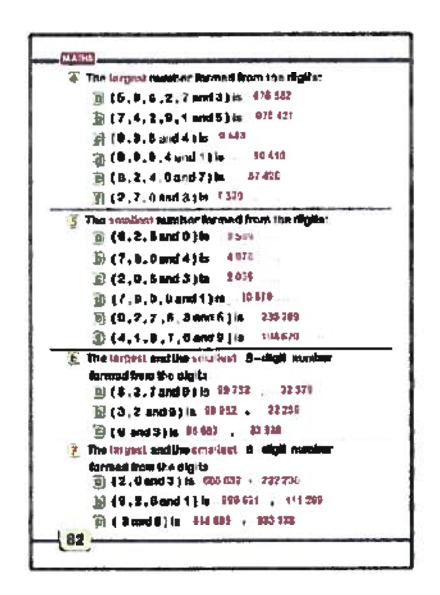
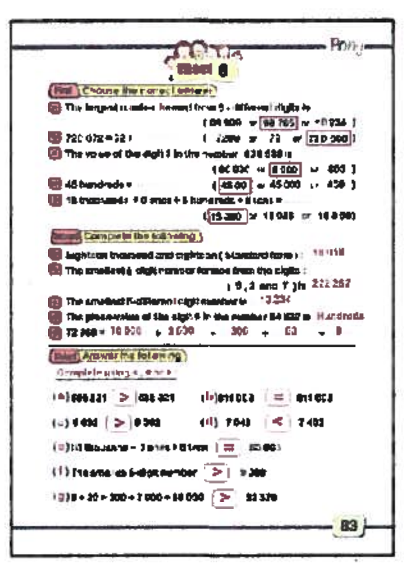
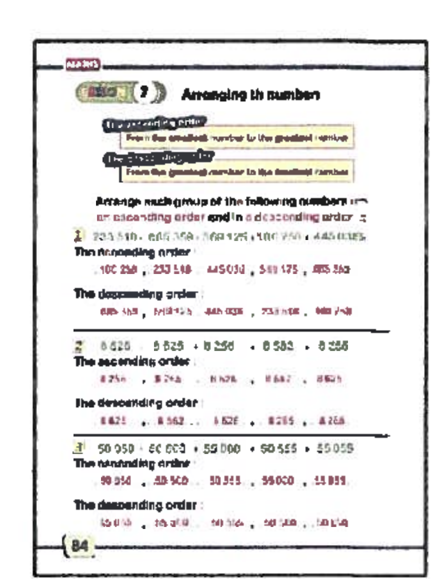
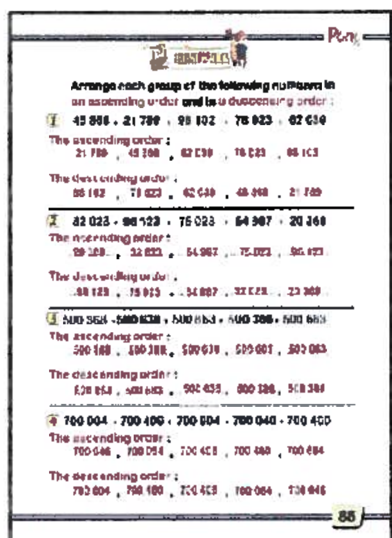


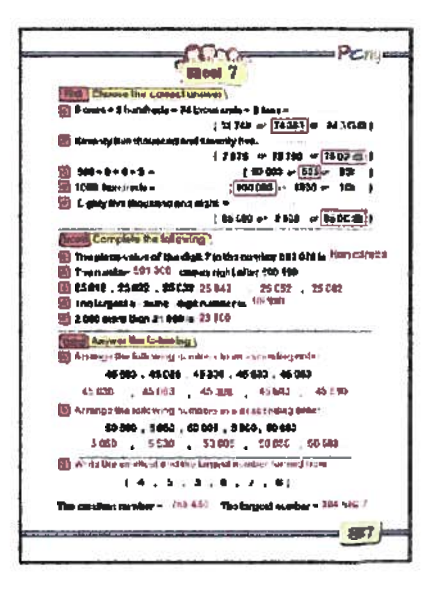
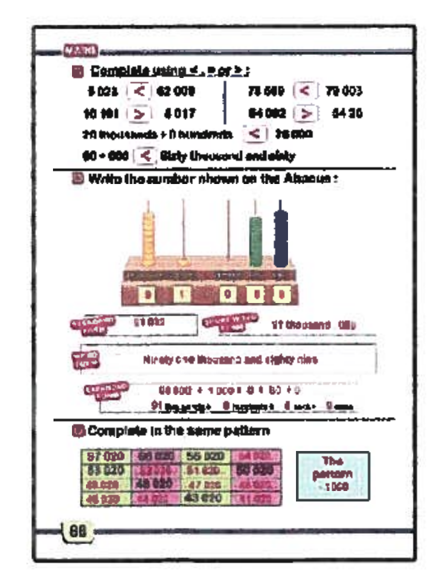
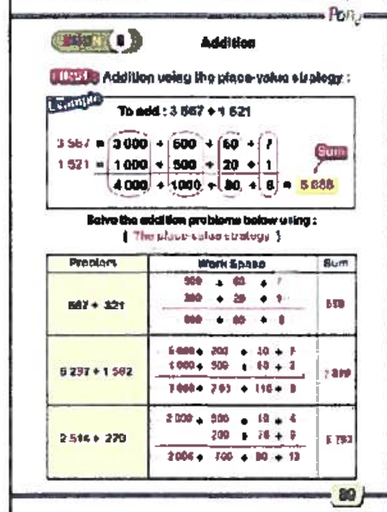
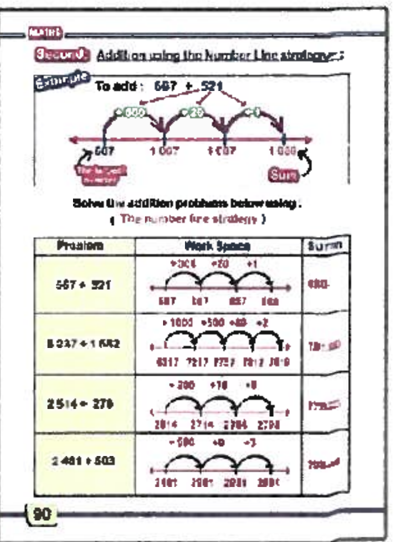


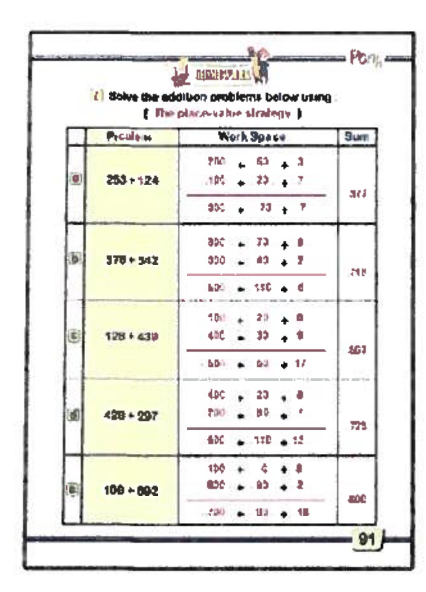




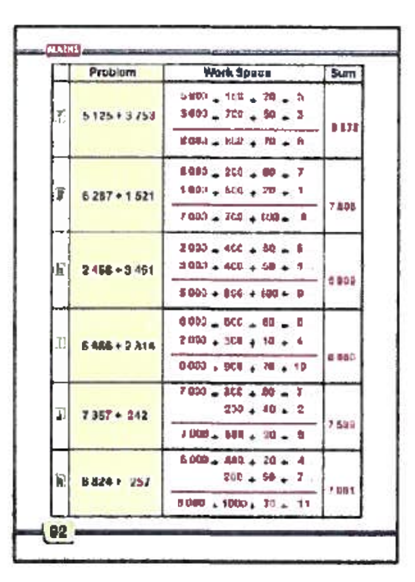






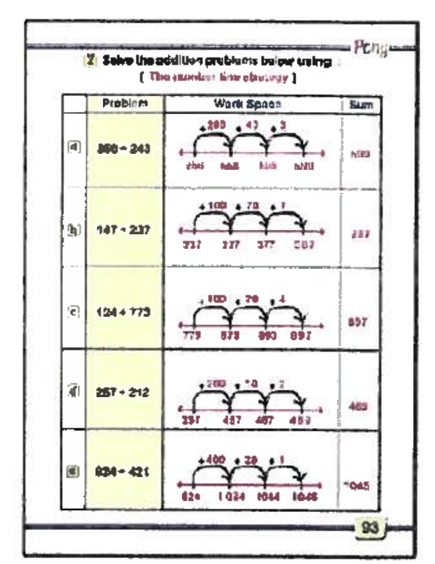




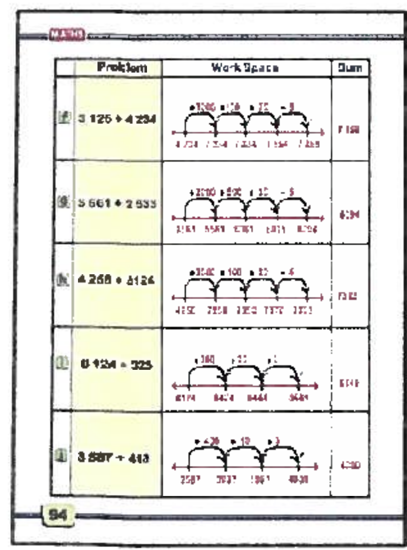





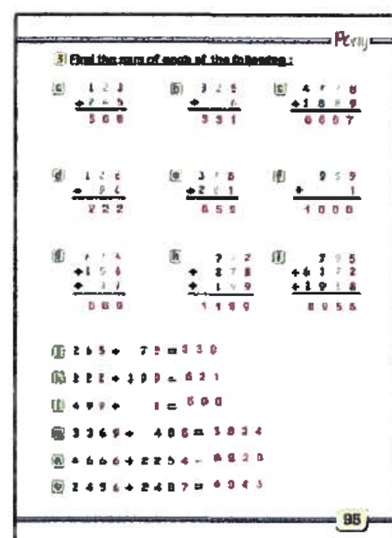





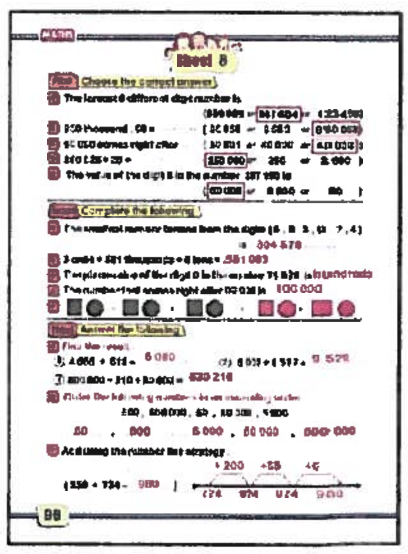

Problem
Work Space
Sum
91

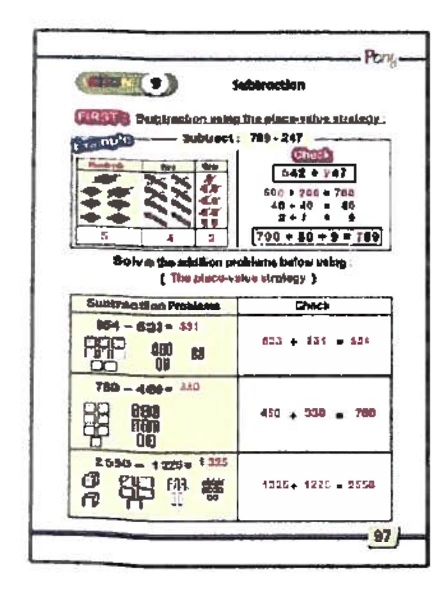

Problem
Work Space
Sum
92

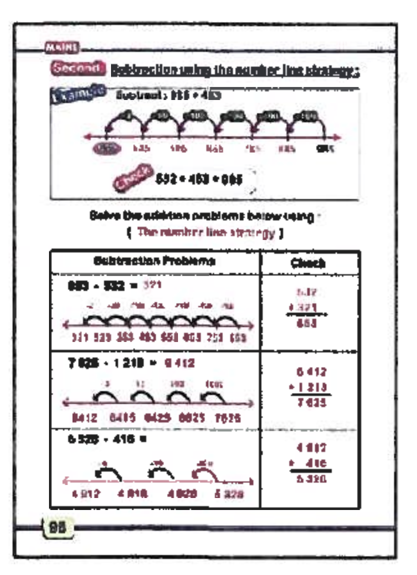

Problem
Work Space
Sum
93

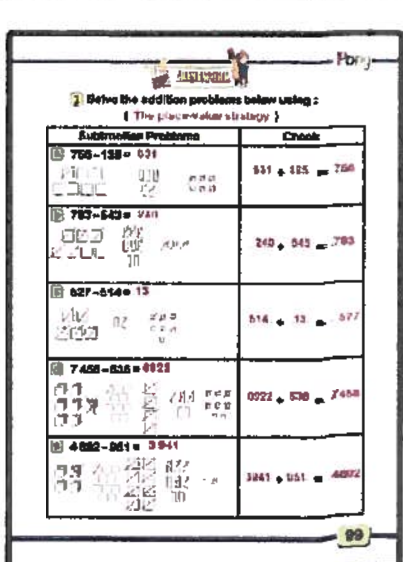

Problem
Work Space
Sum
94

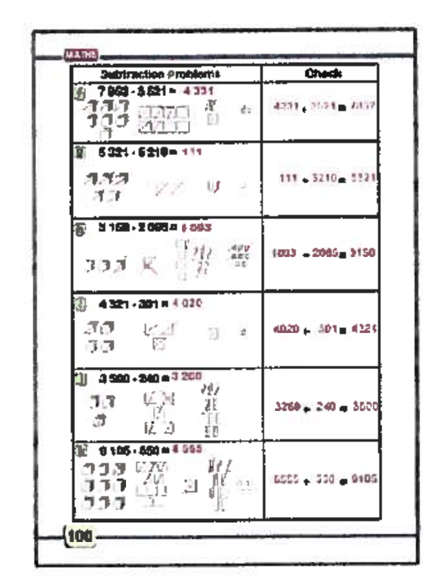
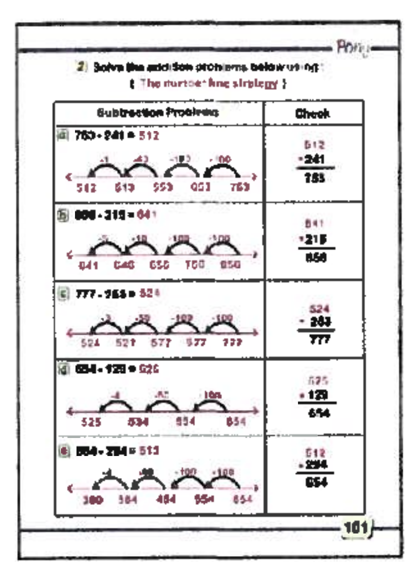
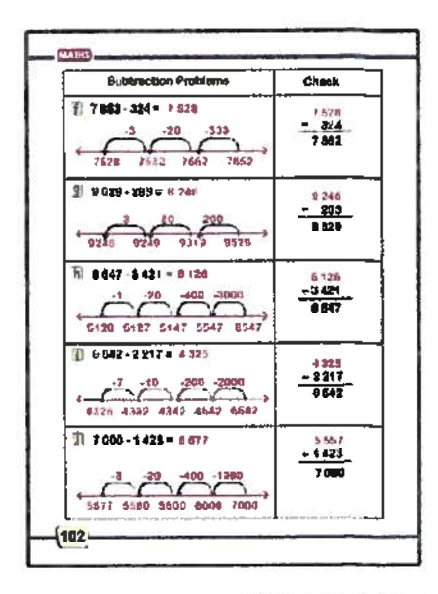
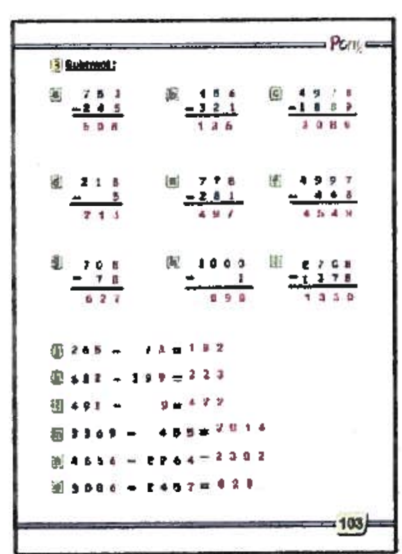
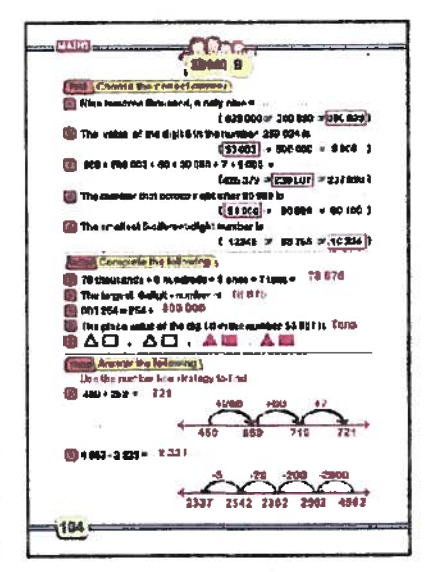
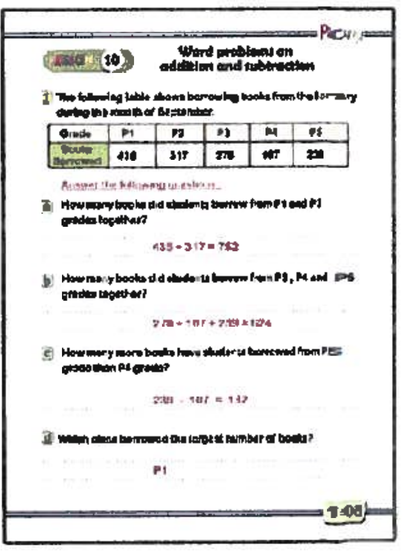
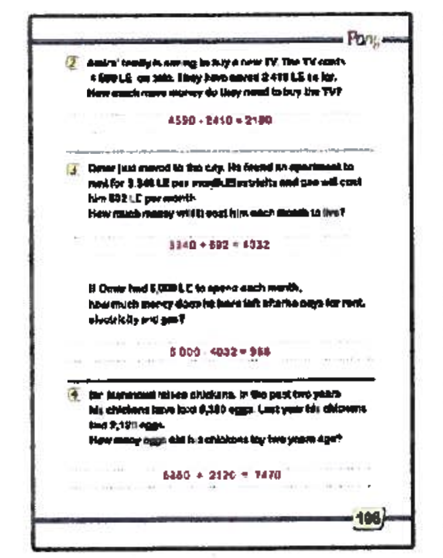
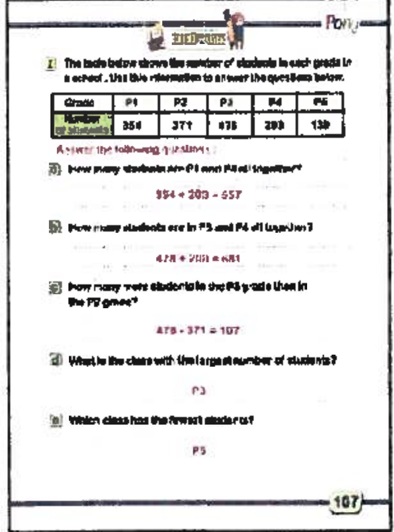
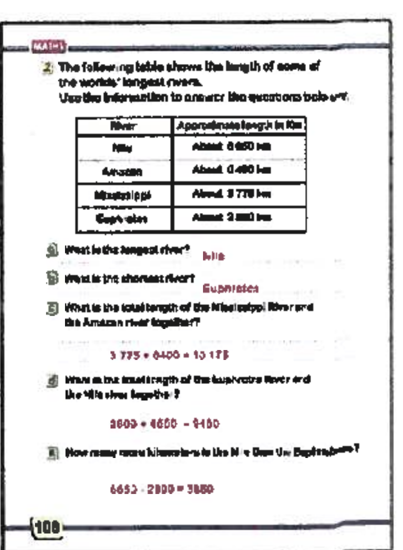

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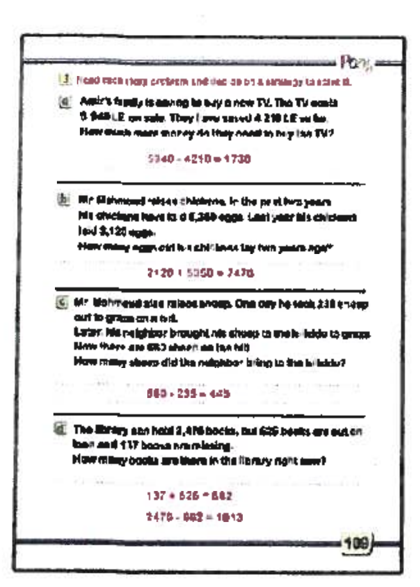
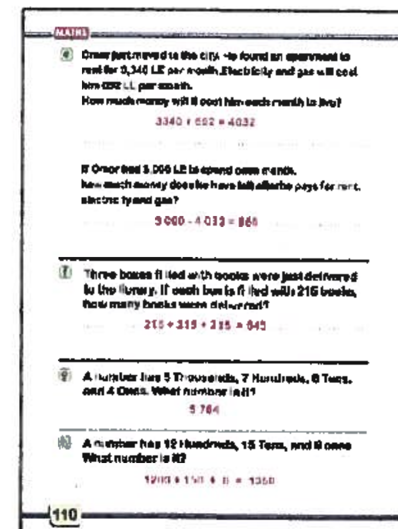
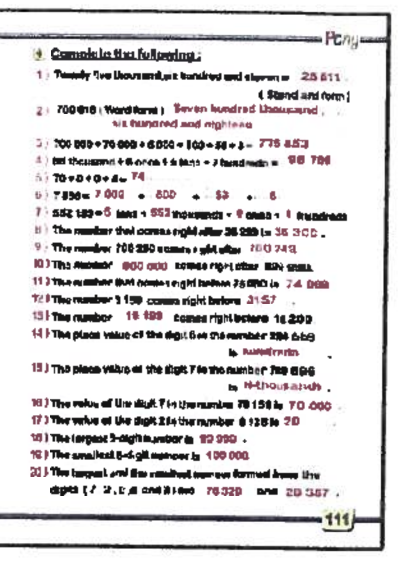
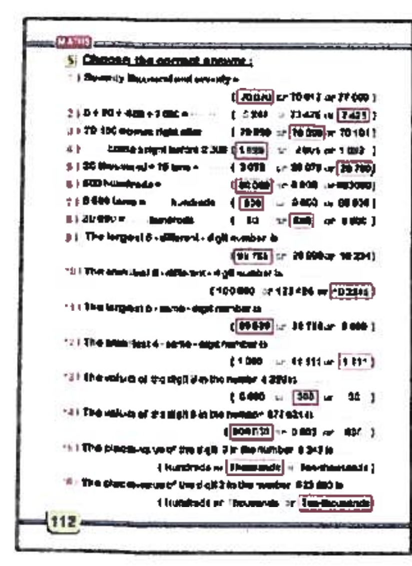
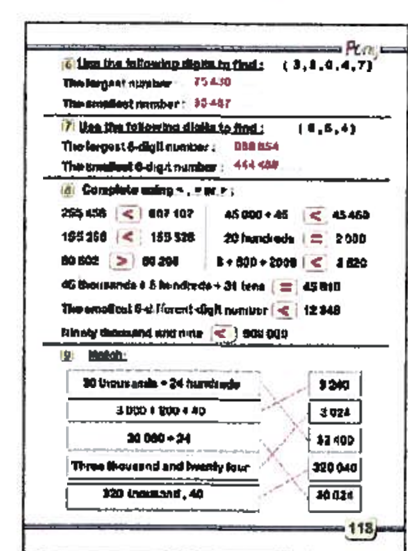
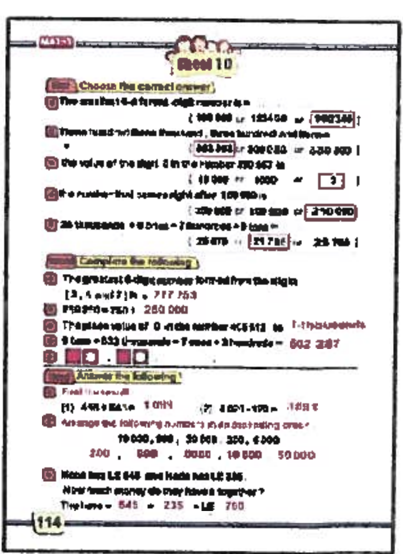
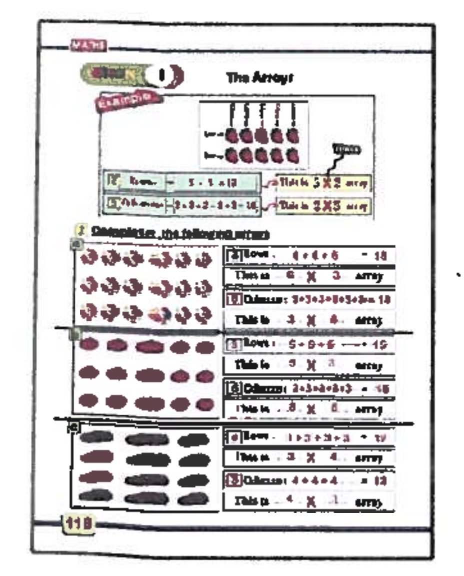
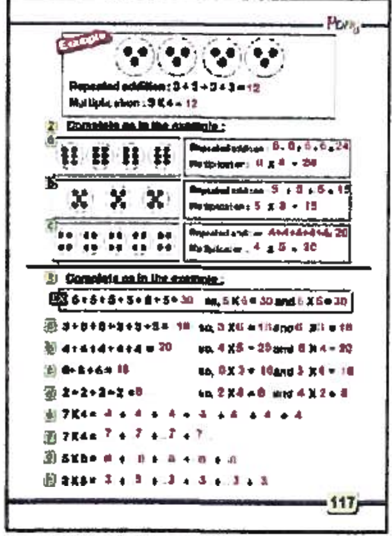
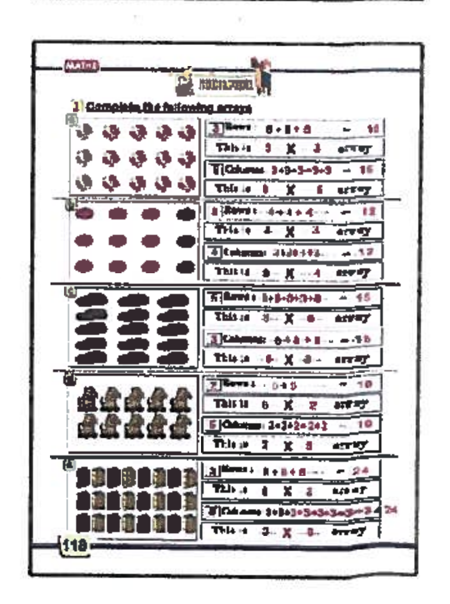

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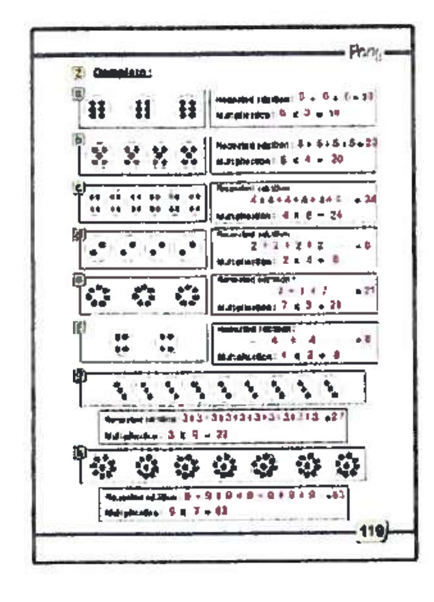

Subtraction
Subtraction Problems
Check
97


Subtraction Problems
Check
98


Subtraction Problems
Check
99





chapter (3)
Lesson 2 (Pages 122 - 127)

(1) (a) 2,4,6,8,10,12,14,16,18,20
(b) 3,6,9,12,15,18,21,24,27,30
(c) 6 , 12 , 18

(2) Answer yourself
(3) Answer yourself
(4) (a) 6 (b) 3 (c) 3
(d) 2 (e) 2 (f) 3
(g) 9X2=18 (h) 8X3= 24
(i) 7X3=21 (j) 10X2 = 20
(k) 8+8+8=8X3 (l) 9+9 = 9X2

Homework

(1) Answer yourself
(2) Answer yourself
(3) Answer yourself
(4) Answer yourself
(5) (a) 5X2=10 (e) 4x3=12
(b) 6X2=12 (f) 7X3=21
(c) 8X2=16 (g) 9X3=27
(d) 3X2=6 (h) 2X3=6

(6) (a) 2,4,6,8,10,12,14,16,18,20
22,24,26,28,30,32,34,36,
38,40
(b) 3,6,9,12,15,18,21,24,27,30
,33,36,39,42,45,48,51,54,57
,60
(c) 6,12,18,24,30,36
(7) (a) 2X6 (b) 3X4 (c) 5X4
(d) 12+12 (e) 8+8 (f) 2X5
(g) 4+4 (h) 6X3

Sheet (2)

First (a) 200 220 (b) 3X4
(c) 5000 (d) 8+8 (e) 201 000
Second : (a) 10 234 (b) 3 , 24
(c) 6+6=12 (d) H-thousand
(e) 41 703
Third : (a) (1) 577 (2) 213
(b) 108 000 , 118 000 , 180 000
, 801 000 , 810 000
(c) 3 , 6 , 9 , 12 , 15

Lesson 3 (Pages 128 -134)

(1)(a) 4,8,12,16,20,24,28,32,36,40
(b) 5,10,15,20,25,30,35,40,45,50
(c) 20 , 40

(2) , (3) Answer yourself

(4) (a) 8 (b) 10 (c) 4 (d) 4
(e) 5 (f) 4 (g) 5X2=10
(h) 4X3 = 12 (i) 1X4=4
(j) 6 , 24 (k) 10+10+10 , 6
(l) 7+7+7+7 = 7X4

HOMEWORK

(1) , (2) , (3) , (4) Answer yourself

(5) (a) 4X5 = 20 (b) 5X8=40
(c) 10+10+10=30 (d) 6+6=12
(e) 10 , 40 (f) 8 , 16
(g) 10 , 20 (h) 8 , 24

(6) (a) 4,8,12,16,20,24,28,32,36,40
44,48,52,56,60,64,68,72,76,80
(b) 5,10,15,20,25,30,35,40,45,50
55,60,65,70,75,80,85,90,95,100
(c) 20 , 40 (d) 12,24,36

(7) (a) 5X4 (b) 8X3 (c) 6X4 (d) 8+8
(e) 9X2 (f) 6X2 (g) 8X2 (h) >
(i) < (j) = (k) > (l) 10
(m) 10 (n)8

SHEET (3)

First : (a) 22 225 (b) 4X10 (c) 9X2
(d) 49 100 (e) 6+6+6+6

Second : (a) 57 200 (b) Hundreds
(c) 3 (d) 10+10+10+10
(e) 205 020

Third : (a) (1) 8 675 (2) 8 405
(b) 4 , 6 , 4X6=24
(c) 275 - 149 = 126

Lesson 4 (Pages : 135 - 143)

(1) (a) 6,12,18,24,30,36,42,48,54,60
(b) 7,14,21,28,35,42,49,56,63,70
(c) 12 , 24 , 36 , 48 , 60

(2) Answer yourself

(3) Answer yourself

(4) (a) 10,12,14,16,18,20
(b) 20,24,28,32,36,42
(c) 30,36,42,48,54,60
(d) 35,42,49,56,63,70

(5) (a) 7X4 = 28 (b) 8X6=48
(c) 8,56 (d) 6 , 36 (e) 5 , 40

(6) 4X8 = 32 (7) 5X6 =30

HOMEWORK

(1) , (2) , (3) , (4) Answer yourself

(5) (a) 4X8=32 (b) 5X7=35
(c) 8+8+8+8+8=40 (d) 8+8=16
(e) 7 , 35 (e) 7 , 35 (f) 8 , 16
(g) 10 , 40 (h) 9 , 36

(6) (a) 6,12,18,24,30,36,42,48,54,60
,66,72,78,84,90,96,102,108
,114,120
(b) 7,14,21,28,35,42,49,56,63,70
,77,84,91,98,105,112,119,126
,133,140
(c) 30 (d)12,24,36,48,60

(7) (a) 5X6 (b) 4X4 (c) 3X8
(d) 8+8 (e) 6X9 (f) 9X2
(g) 8X2 (h) > (i) <
(j) < (k) = (l) 10
(m) 6 (n) 9

(8) Answer yourself

(9) (a) 6X4 = 24 (b) 3X6=18
(c) 3X7 = 21 (d) 4X8=32

SHEET (4)

First : (a) 561 035 (b) 4X6 (c) 8
(d) 450 000 (e) 8 000
Second : (a) 9X4 (b) 9 999
(c) 500 099 (d) 9+9 (e)
Third: (a) (1) 7 704 (2) 6 850
(b) 153 000 , 150 003
15 300 , 15030 , 15 003
(c) 7X4=28 (d) 3X8 = 24

Lesson : 5 (Pages 144 - 152)

(1) (a) 8,16,24,32,40,48,56,64,72,80
(b) 9,18,27,36,45,54,63,72,81,90
(c) 18,36,54,72,90
(2),(3), (4) , (5) Answer yourself

HOMEWORK

(1),(2),(3),(4) Answer yourself
(5) (a) 6,12,18,24,30
(b) 20 , 40
(c) 12,24,36,48,60
(d) 18 , 36 , 54 (e) 24 , 48 , 72
(6) Answer yourself
(7) (a) 9X6=54 (b) 2X5 = 10
(c) 9X9=81 (d) 5X7 = 35
(e) 6X8=48 (f) 7X7=49
(g) 8X8=64 (h) 6X5=30

SHEET (5)

First : (a) 7X8 (b) = (c) 10 000
(d) 66 000 (e) 62 999
Second : (a) 6 (b) 370 000
(c) hundreds (d) 75 512
(e) 30,24,18,12
Third: (a) 1) 1 000 2) 2500
(b) 45 045 , 45 054 , 45 405
, 45 450 , 45 504
(c) 4X7=28 (d) 6X9=54

Lesson :6 (Pages 153 - 161)

(1) 45 , 72 , 18
(2) (a) 50 - 5 = 45
(b) (10X5) - 5 = 50 - 5 = 45
(c) (10X8) - 8 = 80 - 8 = 72
(d) (10X3) - 3 = 30 - 3 = 27

HOMEWORK

(1) , (2) , (3) Anwer yourself
(4) (a) (10X2) - 2 = 20 - 2 = 18
(b) (10X4) - 4 = 40 - 4 = 36
(c) (10X6) - 6 = 60 - 6 = 54
(d) (10X8) - 8 = 80 - 8 = 72
(e) (10X1) - 1 = 10 - 1 = 9
(f) (10X3) - 3 = 30 - 3 = 27
(g) (10X5) - 5 = 50 - 5 = 45
(h) (10X7) - 7 = 70 - 7 = 63
(i) (10X9) - 9 = 81 - 9 = 81
(5) (a) 3X10 (b) 6X4 (c) 6X6
(d) 6X6 (e) 6X4 (f) 7
(g) 9+9 (h) 8X2
(6) (a) 8 + 8 + 8 = 24
(b) 6 + 6 + 6 + 6 + 6 + 6 = 36
(c) 10 + 10 = 20
(d) 9 , 18 (e) 6 , 12 (f) 8 ,16
(g) 6 , 24 (h) 8 , 32 (i) 6 , 30
(j) 8 , 72 (k) (10 X 6) , 54

SHEET (6)

First: (a) 7 (b) 4X10 (c) 495
(c) 765 040 (d) 20 000
Second : (a) 19 999 (b) 0 (c) 9
(d) 8 X 6 (e) 900 009
Third : (a) 1) 4 700 2) 71 3) 630
(b) 1) < 2) =
3) > 4) =
(c) 6 x 8 = 48

Lesson : 7 (Pages 162 - 167)

(1) (a) 5 (b) 7 (c) 7 (d) 4
(e) 9 (f) 8 , 3 (g) 15 X 35 = 50
(h) 32 X 16 = 48 (i) 12 X 6 = 18
(j) 8,8,56 (k) 4 , 7 , 63 (l) 5 X 4

(2) (a) 7 X (10 + 3) = 7 X 10 + 7 X 3 = 91
(b) 8 X (10 + 5) = 8 X 10 + 8 X 5 = 120
(c) 9 X (10 + 3) = 9 X 10 + 9 X 3 = 117
(d) 7 x (10 + 2) = 7 X 10 + 7 X 2 = 84

HOMEWORK

(1) (a) 7 (b) 8 (c) 7 (d) 4
(e) 9 (f) 8 , 7 (g) 8 X 6 = 48
(h) 7X9=63 (i) 9X6=54 (j) 8 , 8 , 54
(k) 4 , 3 , 27 (l) 2 X 5

(2) (a) 7X(10+3) = 7X10 + 7X3 = 91
(b) 4X(10+2) = 4X10 + 4X2 = 48
(c) 9X(10+3) = 9X10 + 9X3 = 108
(d) 8X(10+5) = 8X10 + 8X5= 120

(3) (a) 2 (b) 5 (c) 5X2=10 (d) 5
(e) 2 (f) 2X5=10 (g) 2 X 5 = 5 X 2

(4) (a) 6 (b) 3 (c) 3X6=18 (d) 3
(e) 6 (f) 6X3=18 (g) 3 X 6 = 6 X 3

(5) (a) 9 (b) 4 (c) 4X9=36 (d) 4
(e) 9 (f) 9X4=36 (g) 4 X 6 = 9 X 4

(6) (a) 4X10= (4X8) + (4X2) 40
(b) 3X9 = (3X5) + (3X4) 27

SHEET 7

First: (a) 19 909 (b) 505 (c) 7X5
(d) 4 + 4 + 4 + 4 (e) 8 000

Second : (a) □△,□△ (b) 6,6,4 (c) 6
(d) 66 000 (e) 701 280

Third: (a) 75 005 , 75 050 , 75 055
, 75 500 , 75 505
(b) 6 , 3 , 6X3=18
(c) 3 , 6 , 3X6=18

Lesson : 8 (pages 168 - 173)

(1) (a) 10 , 20 , 30 , 40 ,50 , 60 , 70 , 80
, 90 , 100 , 110 , 120 .
(b) 10 , 20 , 30 , 40 ,50 , 60 , 70 , 80
, 90 , 100 , 110 , 120 .
(c) 20 , 40 , 60 , 80 , 100 , 120

(2) (a) 70 (b) 90 (c) 120 (d) 520
(e) 10 (f) 10 (g) 10 (h) 10
(i) 5 X 6 X 10 = 30 X 10 = 300
(j) 4 X 8 X 10 = 32 X 10 = 320
(k) 5 X 80 , 40 X 10 = 400
(l) 9 X 30 , 27 X10 = 270
(m) 7X50 = 7X5X10 = 35X10=350
(n) 4 X90 = 4 X 9 X 10 = 36 X10 = 360

HOMEWORK

(1) Answer yourself

(2)(a) 10 , 20 , 30 , 40 , 50 , 60 , 70 , 80
, 90 , 100 , 110 , 120
(b) 10 , 20 , 30 , 40 , 50 , 60 , 70 , 80
, 90 , 100 , 110 , 120
(c) 30 , 60 , 90
(d) 20 , 40 , 60 , 80 , 100
(e) 30 , 60 , 90

(3) (a) 60 (b) 80 (c) 520 (d) 220
(e) 160 (f) 820 (g) 10 (h) 10
(i) 10 (j) 10 (k) 10 (l) 10
(m) 10 (n) 10

(4) (a) 8X5X10 = 40X10 = 400
(b) 5X4X10 = 20 X10 = 200
(c) 9X8X10 = 72X10 = 720
(d) 5X90 , 45X10 = 450
(e) 8x80 , 64X10 = 640
(f) 6X30 , 18X10 = 180
(g) 5X70 , 7 , 10 , 350
(h) 6X90 , 9 , 10 , 540
(i) 7X70, 7 , 10 , 490

(5) (a) 30 (b) 28
(c) 4 (d) 7
(e) 7 (f) 6
(g) 8 (h) 6
(i) 8 (j) 10
(k) 9X2
(l) 3X10

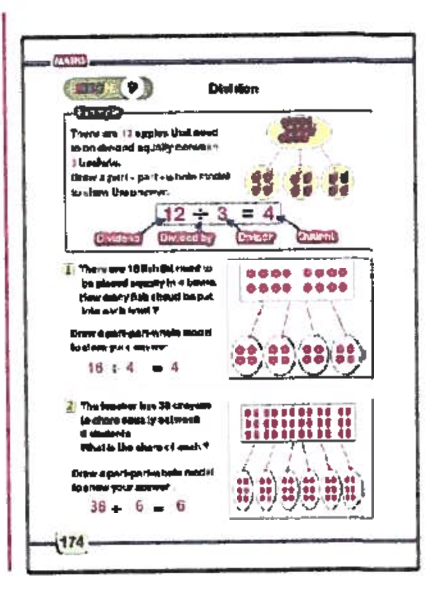
(6) Answer Yourself

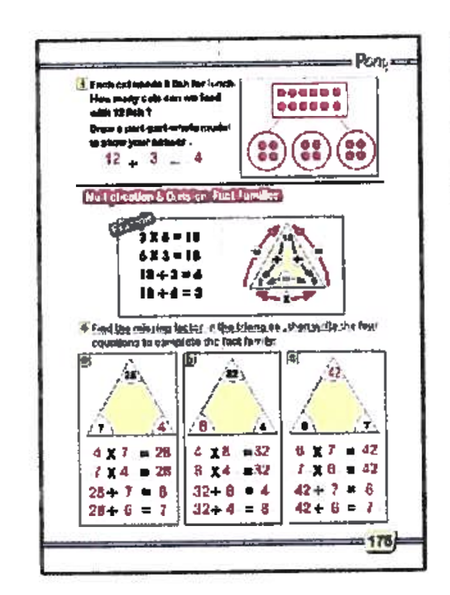
SHEET 8

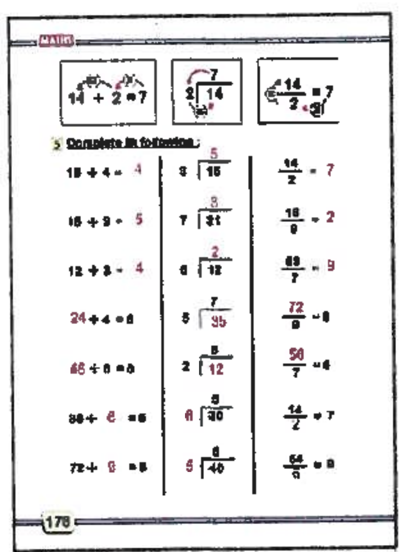
First : (a) 9000
(b) 25 000
(c) 8X2 (d) 9X4
(e) 20 567

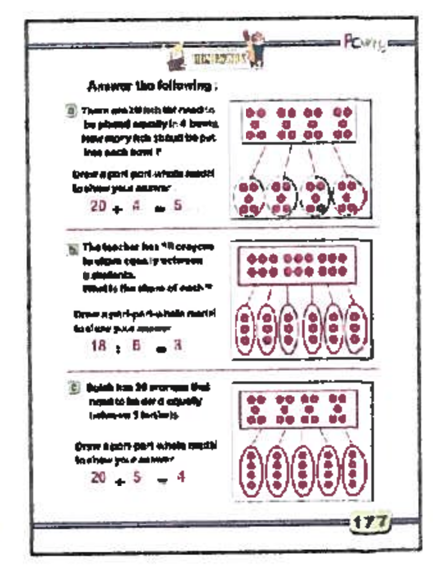
Second:(a) 760 000
(b) 10 , 4 , 98
(c) 6X7X10 = 420
(d) 20 020
(e) 48 , 40 , 32

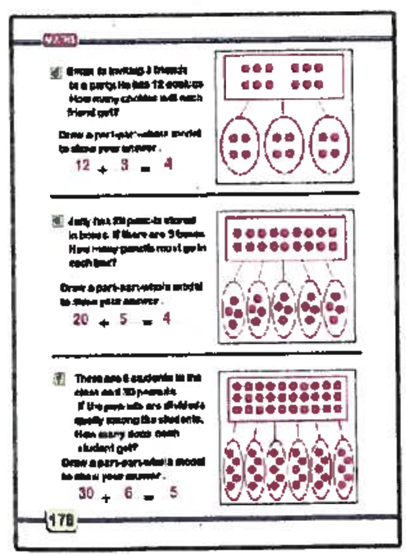
Third : (a) 1)8 008 2)7 555
(b) 15 000 , 10 005 , 1500 , 1 050 , 1 005
(c) 6X6= 36

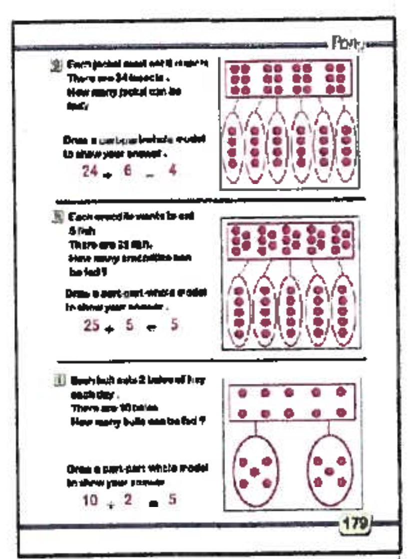


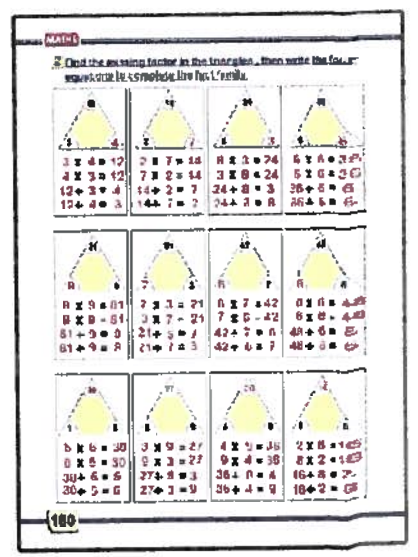


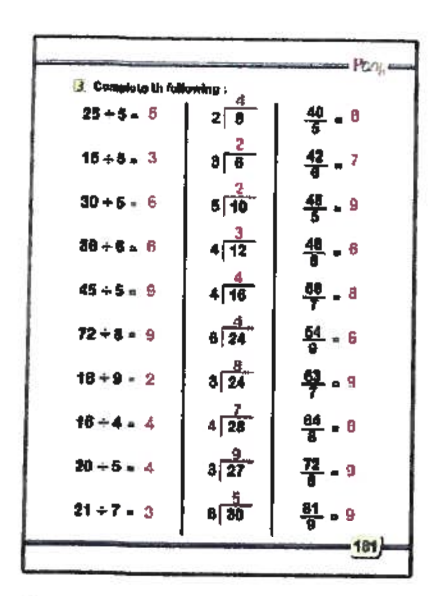


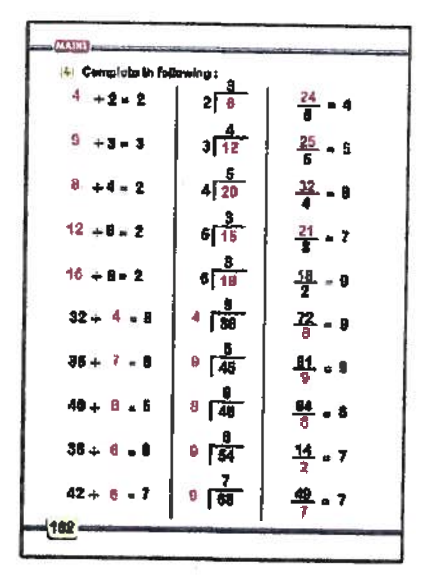


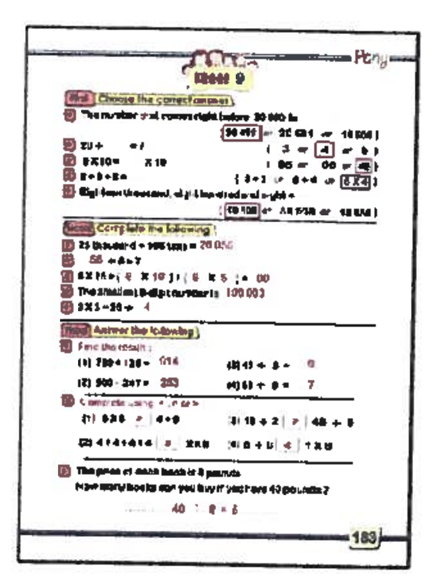


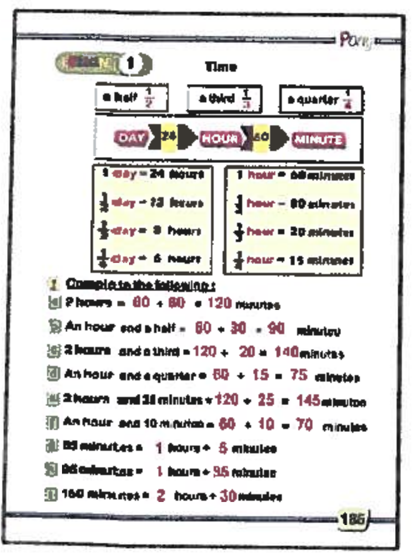


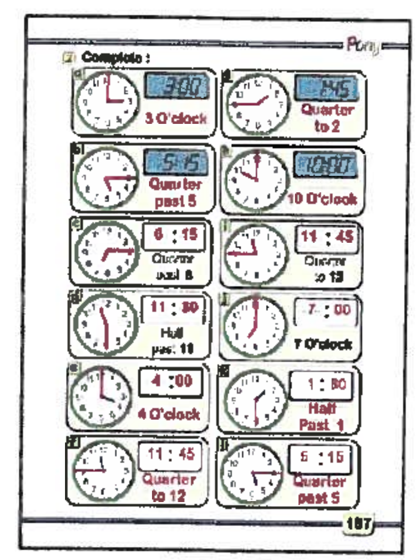


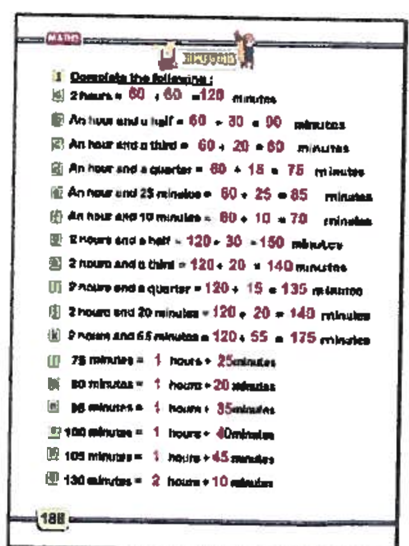


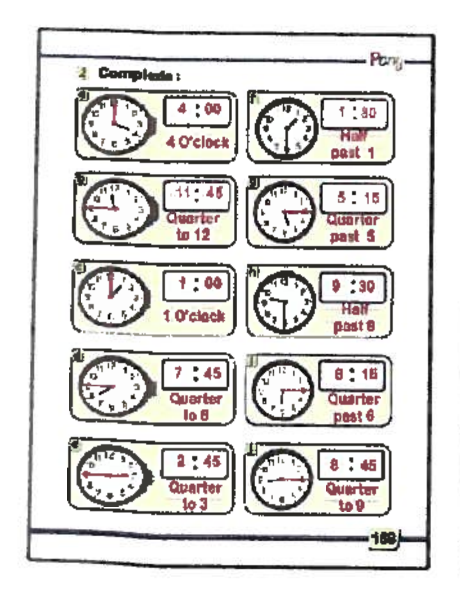


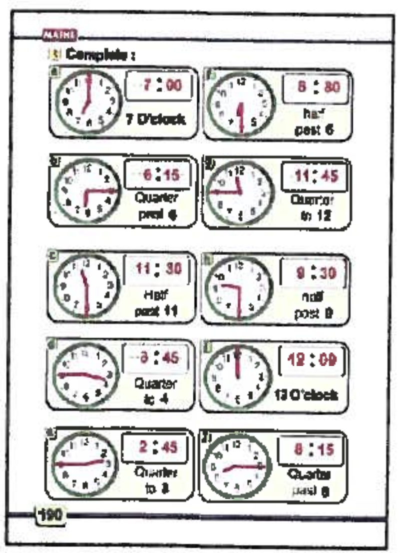


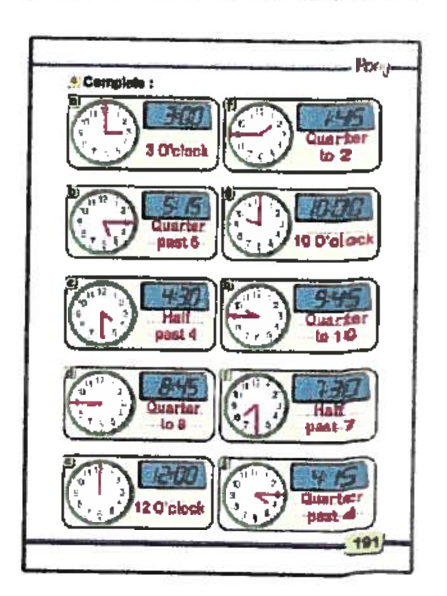


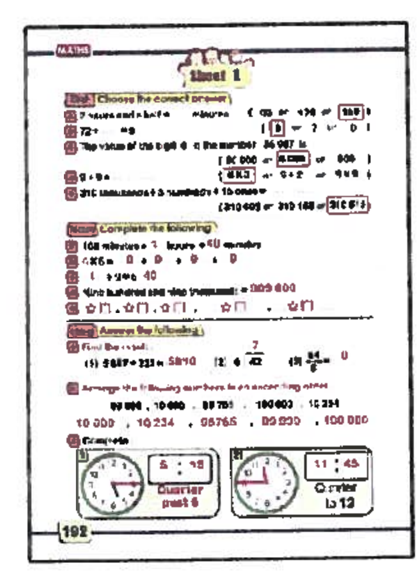
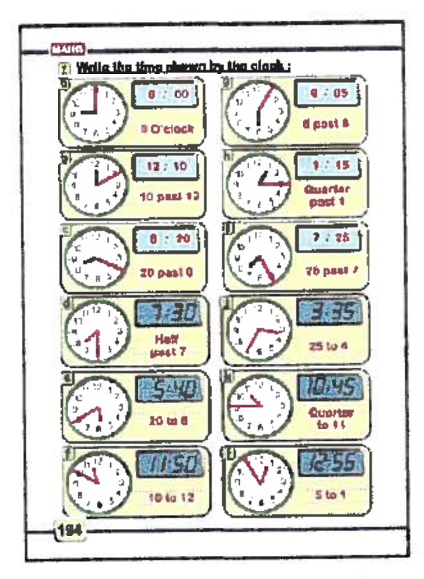
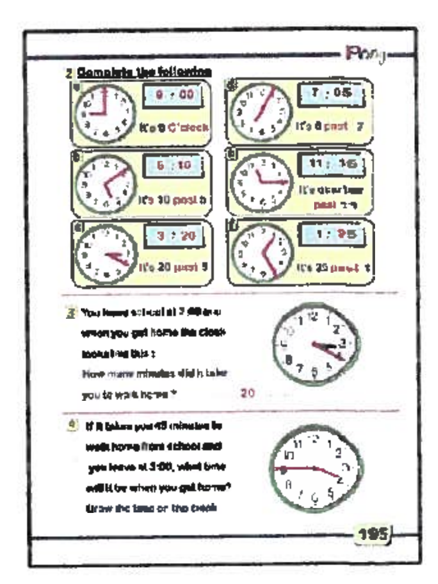
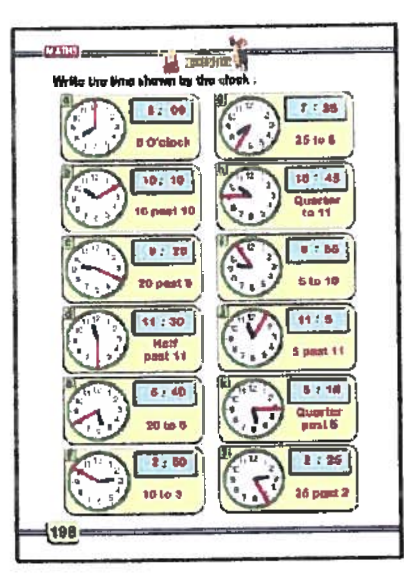
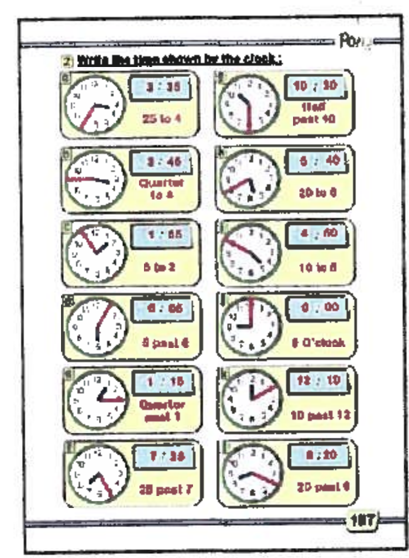
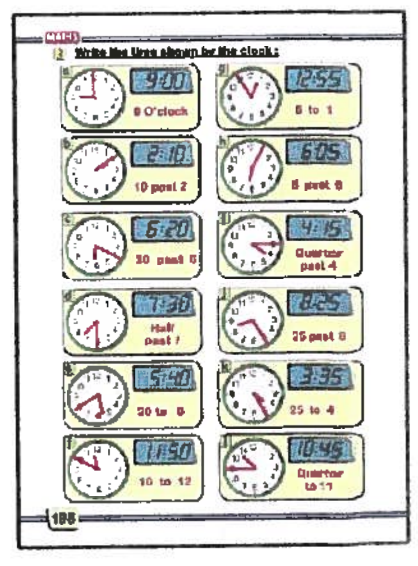
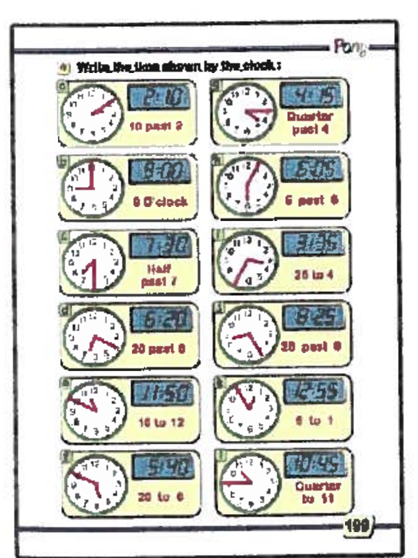
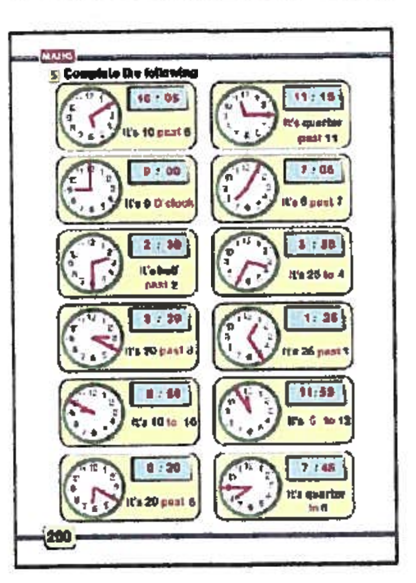
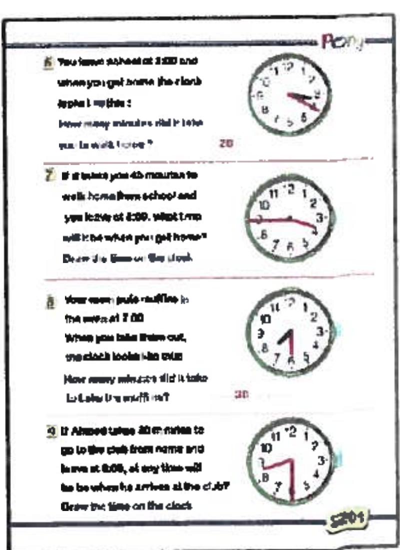


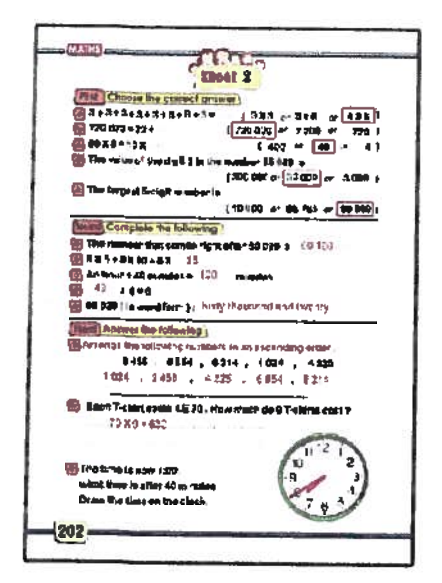


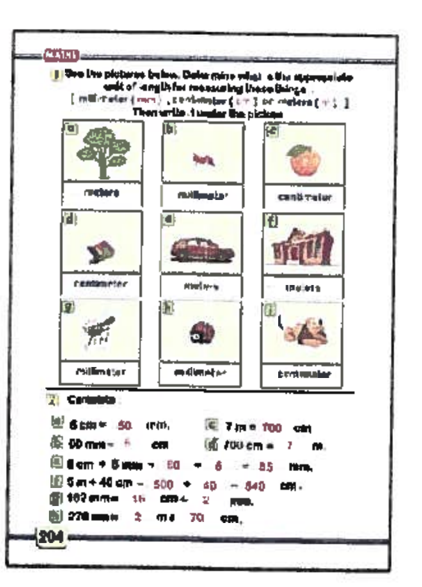


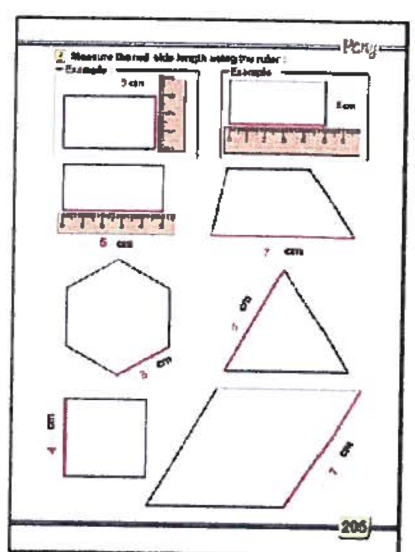


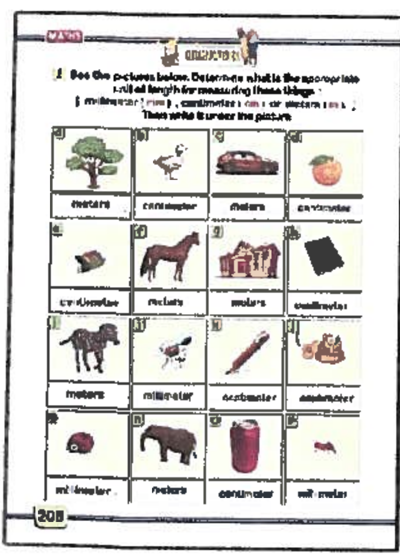


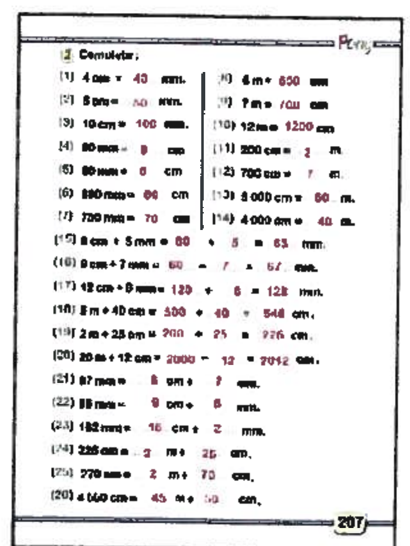










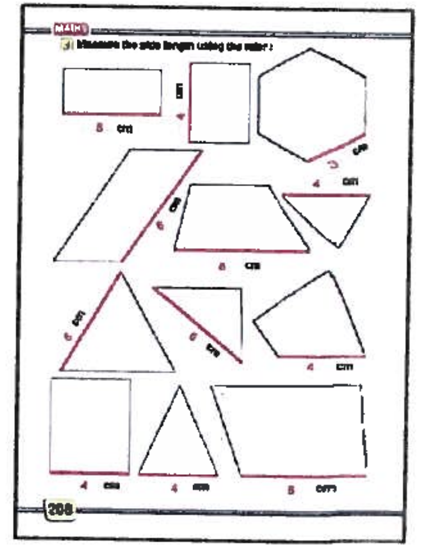


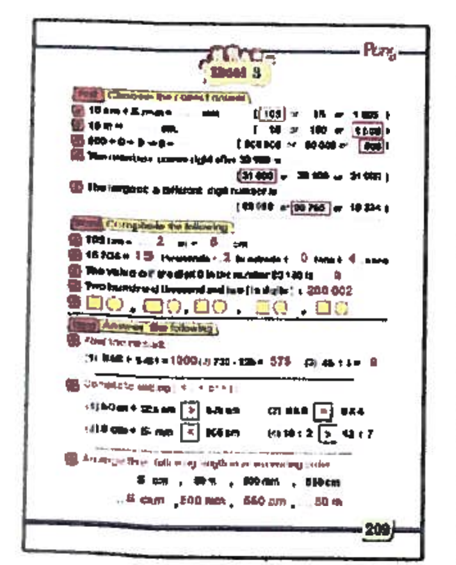


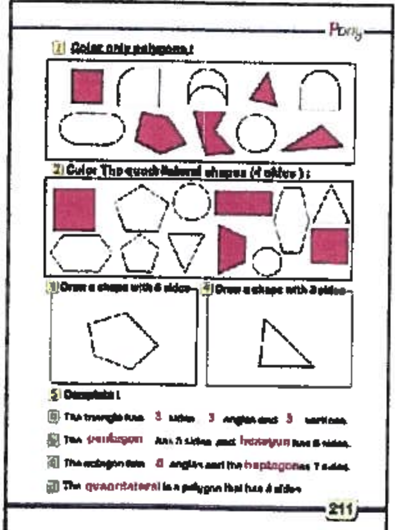


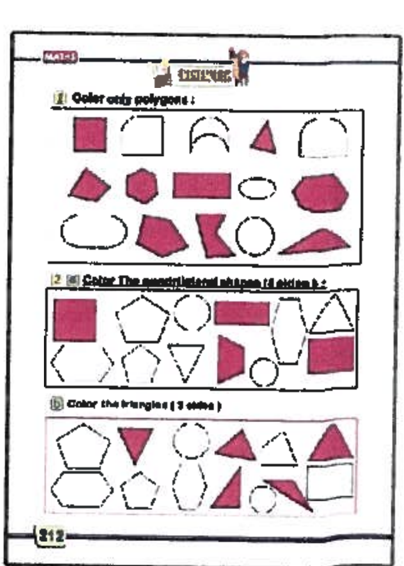


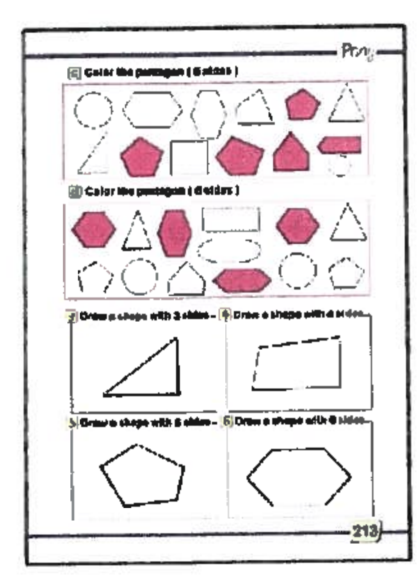
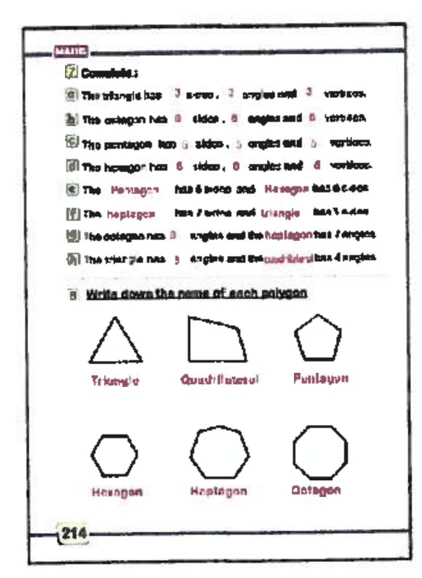
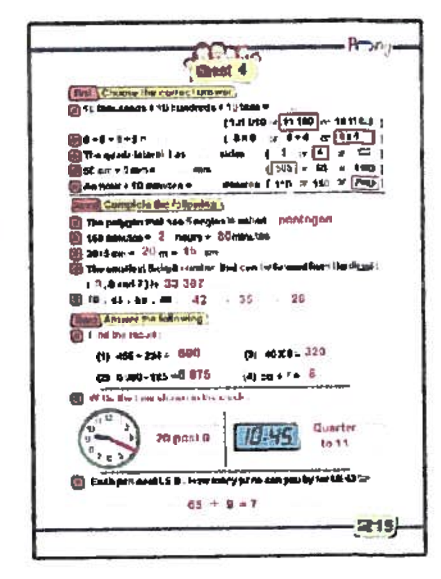
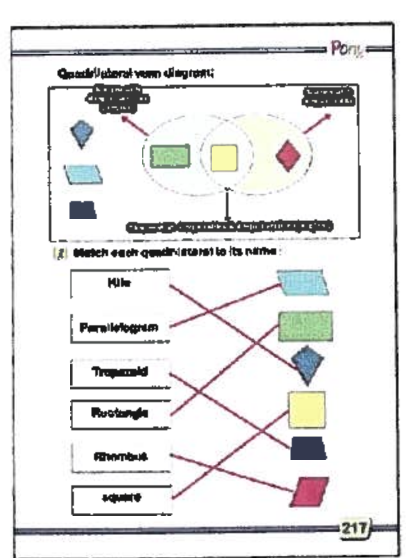
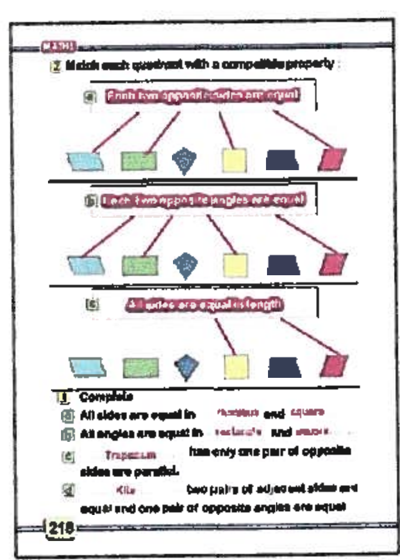
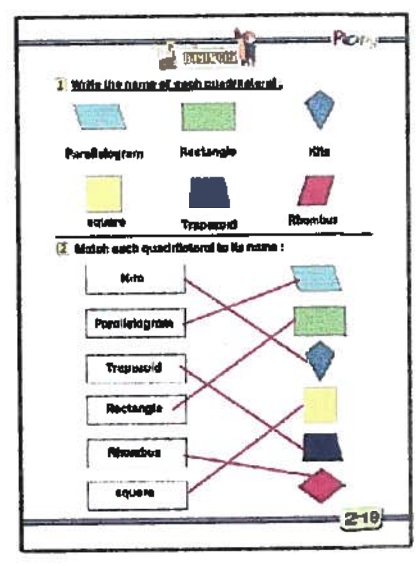
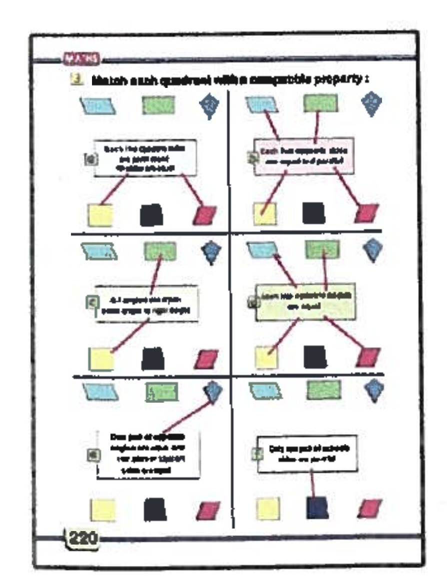
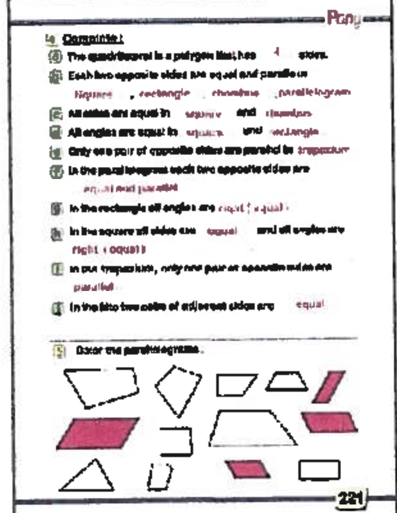
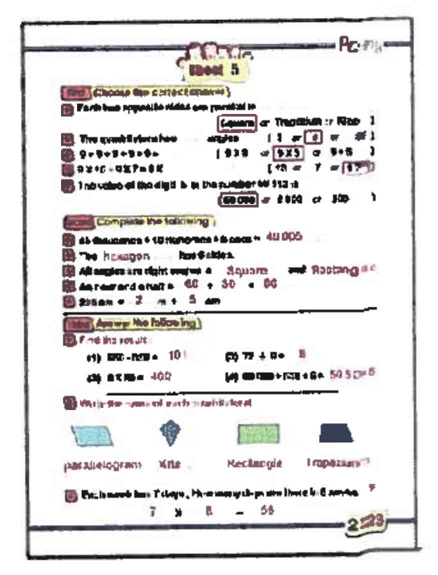










Lesson : 8 (pages 224 - 234)

(1) (a) 10 (b) 10 (c) 18
(d) 35 , 7X5=35 (e) 12 , 2X6=12
(2) (a) 4X5=20 (b) 6X3=18 (c) 8X4=32
(3) 12 = 3X4 or 2X6
10 = 2X5 or 1X10
(4) (a) 18 = (3 X 6) or (2 X 9)
(b) 24 =(3 X 8),(4 X 6)or(2 X 12)

HOMEWORK

(1) (a) 15 (b) 13 (c) 16
(d) 14 (e) 16 (f) 18
(g) 28 , 4X7=28 (h) 18 , 3X6=18
(i) 25 , 5X5=25 (j) 12 , 2X6=12
(k) 32 , 4X8=32 (l) 9 , 3 X 3 = 9
(m) 16 , 4 X 4 = 16
(2) (a) 3 X 4 = 12 (b) 6 X 2 = 12
(c) 4 X 8 = 32 (d) 5 X 3 = 15
(e) 5 X 5 = 25 (f) 8 X 2 = 16
(g) 10 X 5 = 15 (h) 7 X 5 = 35
(i) 8 X 7 = 56 (j) 5 X 7 = 35
(k) 9 X 4 = 36 (l) 9 X 6 = 54
(m) 9 X 3 = 27 (n) 2 X 2 = 4
(3) 15 = 3X5 , 18 = 3X6 or 18= 2X9
(4) 4 X 6 = 24 (5) 3 X 7 = 21
(6) (3X4)+(2X6)+(3X6)+(5X7)+(5X1)
= 12 + 12 + 18 + 35 + 5 = 82
(7) (a) 30= 5X6 (b) 24=4X6 (c) 20=4X5
(d) 12 = 3 X 4 (e) 18 = 3X6

SHEET 6

First : (a) 9 090 (b) 4 (c) 90
(d) 10 + 10 (e) 999 999
Second : (a) 45 550 (b) 5 (c) 20 , 7
(d) equal (e) 63 , 72 , 81
Third (a) (1) > (2) > (3) > (4) =
(b) 16 , 20 , 24

Lesson : 9 (pages 235 - 244)

(1) (a) 18 , 20 (b) 28 , 30
(c) 15 , 18 (d) 11 , 24
(e) 4X7=28 , 4+7+4+7=22
(f) 5X5=25 , 5+5+5+5=20
(2) (a) 3+3+3+6=15 (b) 6+3+6+3=18
(3) (a) 3X6=18 , (6+3)X2 = 18
(b) 4X4=16 , 4X4=16

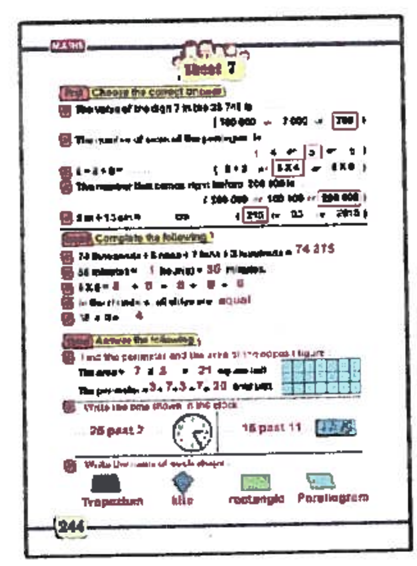
HOMEWORK

(1) (a) 13,18 (b) 17,26 (c) 11,16
(d) 11,24 (e) 14 , 16 (f) 19 ,28
(g) 12,22 (h) 14,22
(i) 4X6=24 , 6+4+6+4=20
(j) 5X5=25 , 5+5+5+5=20
(k) 2X7=14 , 2+7+2+7=28
(l) 4X4=16 , 4+4+4+4=16
(m) 8X5=40 , 8+5+8+5=26
(n) 3X8 =24 , 3+8+3+8=22

(2) (a) 6+3+6+3=18 (b) 6+3+3+3=15
(c) 4+4+4+4=16 (d) 3+6+2+5=16
(e) 5+3+5+3=16 (f) 3+3+3+3=12
(g) 6+2+6+2=16 (h) 3+3+5+7=18
(i) 5+5+3+3=16 (j) 2+2+5+5=14
(k) 5+5+5+5=20 (l) 5+8+5+2=20

(3) (a) 3X6=18 , (6+3)X2=18
(b) 5X2=10 , (5+2)X2=14
(c) 6X2=30 , (6+5)X2=22
(d) 3X3=9 , 3X4=14
(e) 4X4=16 , 4X4= 16

(4) (a) 7X4=28 , (7+4)X2=22
(b) 7X3=21 , (7+3)X2=20
(c) 7X7=49 , 7X4=28
(d) 6X5=30 , (6+5)X2=22
(e) 4X4=16 , 4X4=16

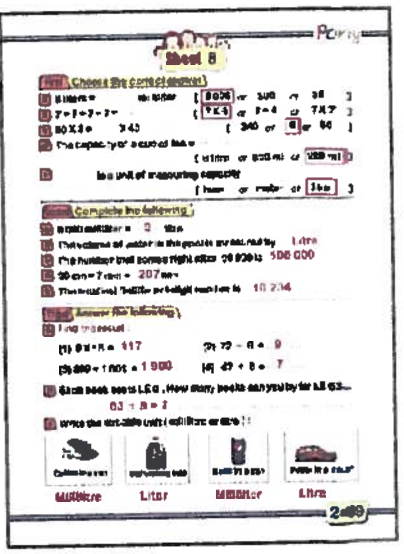












General Exercises

First Choose the correct answer

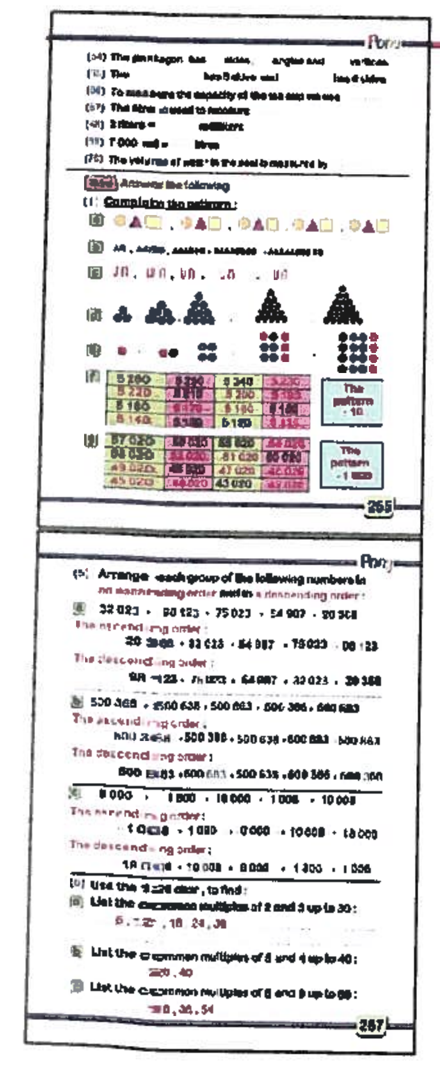
(1) '00 070 (2) 7 425 (3) 70 009
(4) 1 999 (5) 20 750 (6) 6 000
(7) 800 (8) 3 000 (9) 98 765
(10) 10 2345 (11) 99 999 (12) 1 111
(13) 3 000 (14) 800 000 (15) Thousands
(16) 10 (17) 8 x 3 (18) 6 x 4
(19) 8 + 8 (20) 9 X 2 (21) 6 x 2
(22) 8 X 2 (23) > (24) <
(25) = (26) < (27) 10
(28) 10 (29) 8 (30) 30
(31) 28 (32) 4 (33) 7
(34) 7 (35) 6 (36) 8
(37) 6 (38) 8 (39) 9 X 2
(40) 3 X 10 (41) 105 (42) 1 500
(43) 4 (44) 505 (45) 70
(46) 90 (47) Square (48) 4
(49) 200 ml (50) litre

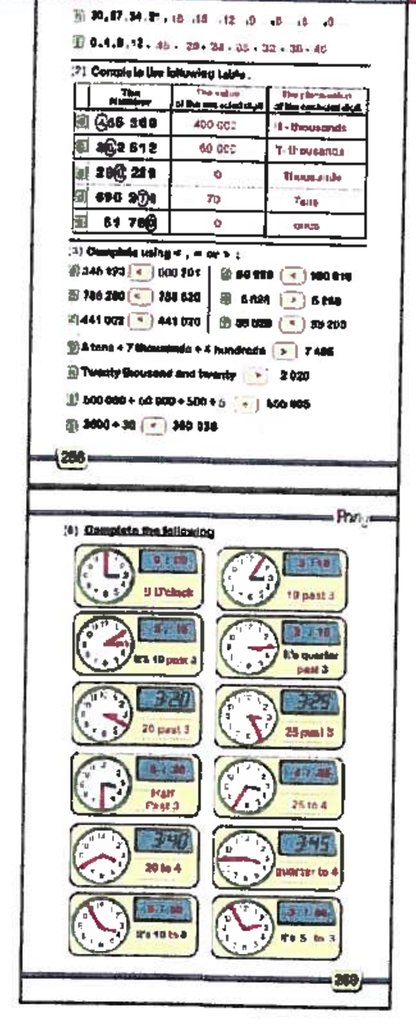
Second Complete the following

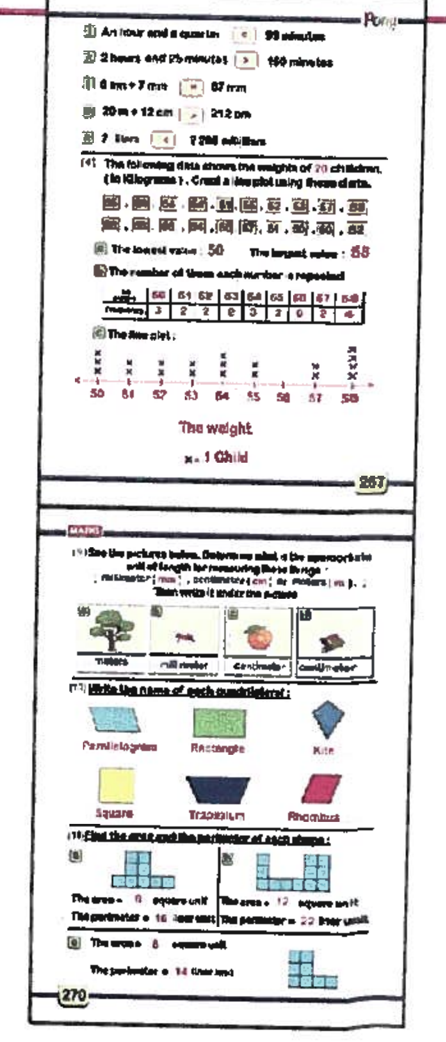
(1) 205 6011 (2) Seven hundred thousand , six hundred and eight
(3) 775 853 (4) 998 756 (5) 7 4
(6) 70 000 + 7 000 + 800 + 50 + 6

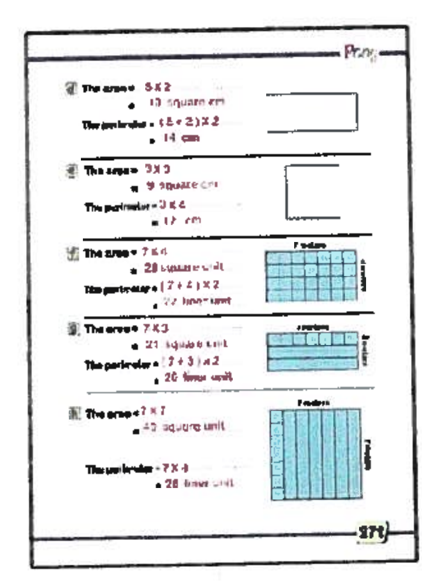
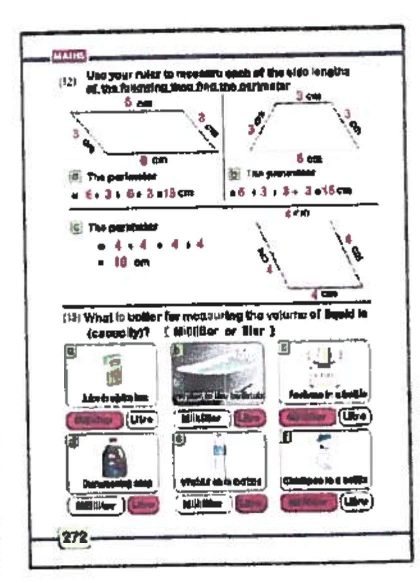
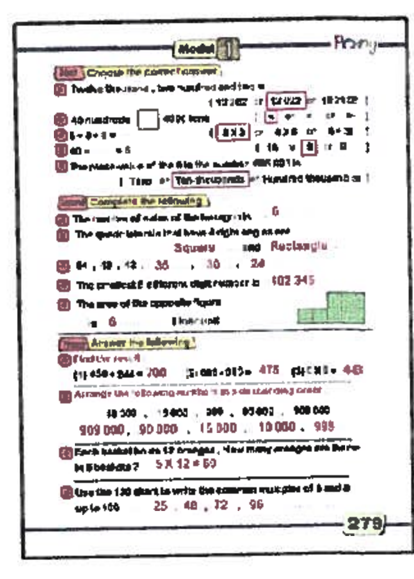
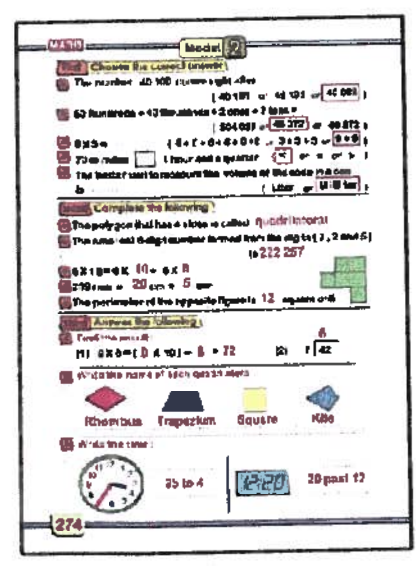
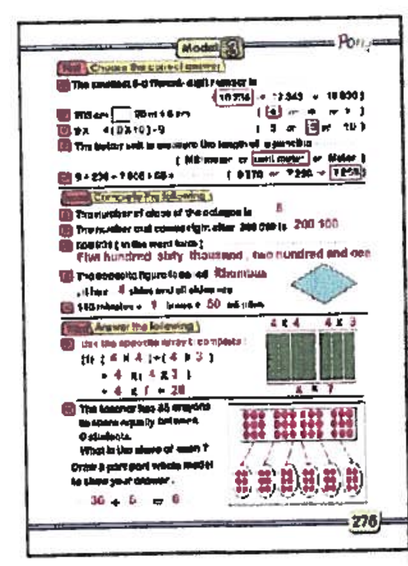
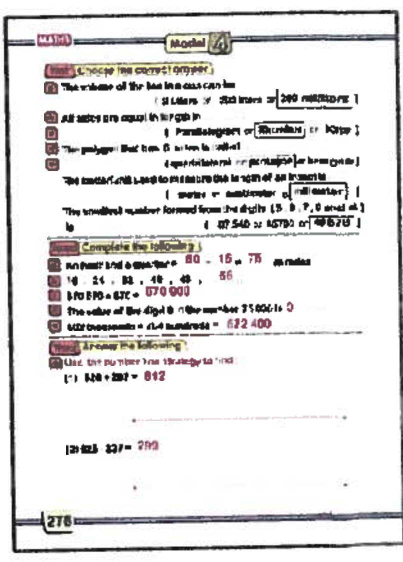
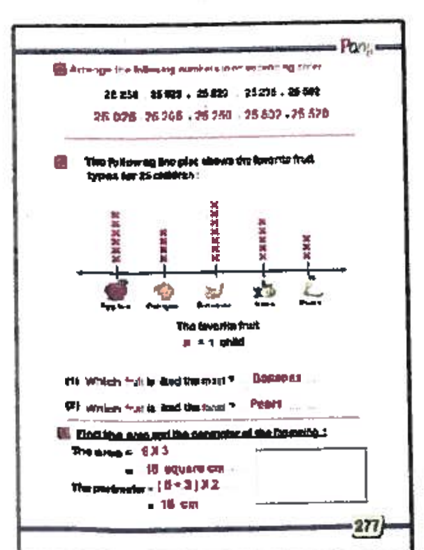
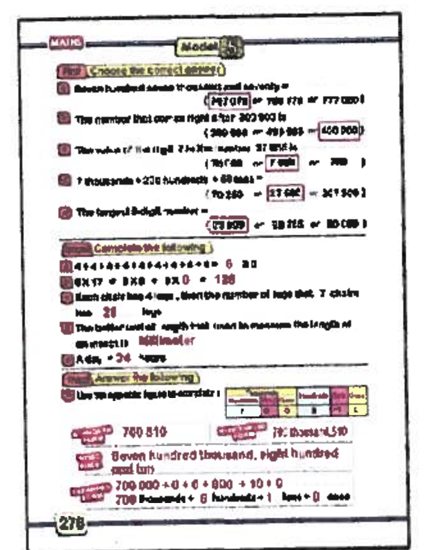
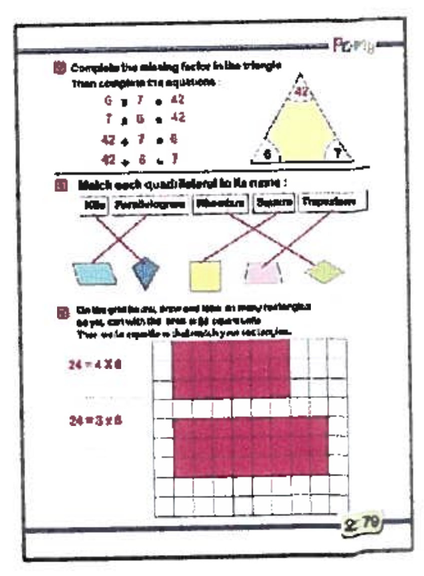
(7) 5 , 552 , 9 , 1 (8) 363000
(9) 70 249 (10) 100 000
(11) 699 999 (12) 31 561 (13) 105 199
(14) T-thousands (15) H-thousands
(16) 70 000 (17) 20 (18) 999 999
(19) 100 000 (20) 99 999 (21) 10 000
(22) 76 320 , 20 367 (23) 88 854 , 44 458
(24) 4 X 8 = 32 (25) 5X7=35
(26) 8+8+8+8+8+8= 8=40 (27) 8+8=16
(28) 7,35 (29) 8,16 (30) 10 ,40
(31) 9 ,36 (32) 520 (33) 160
(34) 10 (35) 4 (36) 7
(37) 10 (38) 10 (39) 10
(40) 32 (41) 35
(42) 8 X 5 X 10 = 40 X 10 = 400

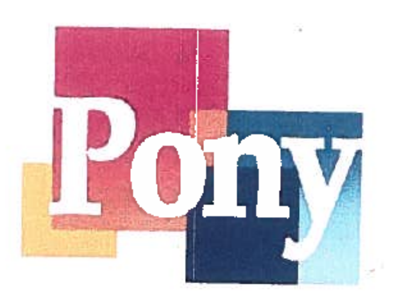
(43) 5 X90 , 45 X10 =450
(44) 5 X 70 = 5X7X10 = 35 X10 = 350
(45) 7 X70 = 7X7X10 = 490
(46) 60 + 30 = 90 (47) 60 + 25 = 85
(48) 120+55 = 175 (49) 1 , 35
(50) 2, 10 (51) 50 (52) 100
(53) 700 (54) 1200 (55) 120+8=128
(56) 2 000 + 12 = 2012 (57) 16 ,2
(58) 2 ,25 (59) 4 (60) length
(61) square , rhombus (62) equal(right)
(63) parallelogram , rhombus ,square, rectangle
(64) 5 , 5 , 5 (65) Pentagon , hexagon
(66) Millilitre (67) Capacity (68) 2000
(69) 7 (70) liter



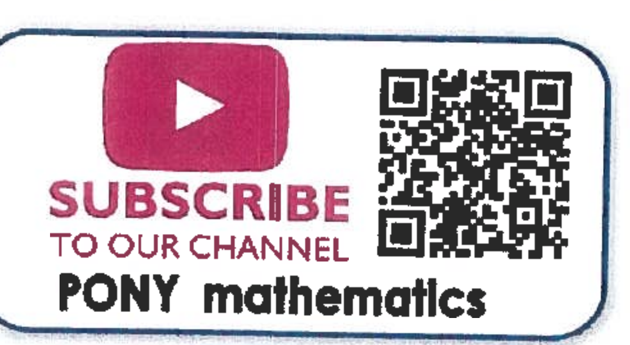










المبيعات و الدعم الفنى


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